AUTHOR INDEX TO VOLUME 16
References with (E) are to Errata

ABEL, W. R., A. C. ANDERSON, W. C. BLACK, and J. C. WHEATLEY. Thermal equilibrium between liquid He^3 and powdered cerium magnesium nitrate at very low temperatures 273
ABRAHAM, B. M., Y. ECKSTEIN, J. B. KETTERSON, and J. H. VIGNOS. Measurements of the ultrasonic attenuation in liquid He^4 at low temperatures 1039
ABRAHAMS, ELIHU (see Cohen, Roger W.) 931
ACKERMAN, C. C., B. BERTMAN, H. A. FAIRBANK, and R. A. GUYER. Second sound in solid helium 789
ADLER, E. and E. ERLBACH. Polarization dependence of the indirect piezoabsorption coefficient in Ge and Si 87; 927(E)
ADLER, J. G., J. E. JACKSON, and B. S. CHANDRASEKHAR. Effect of alloying on the phonon spectrum of lead-indium alloys 53
AHMADZADEH, AKBAR. Exchange-degeneracy classification of Regge trajectories and the total cross sections 952
AHN, B. H. (see White, J. A.) 639
AKERLOF, C. W., W. W. ASH, K. BERKELMAN, and C. A. LICHTENSTEIN. π^+ charge form factor and electroproduction 147
ALBRIGHT, C. H., L. S. LIU, and M. O. TJIA. Quark-model approach for the semileptonic reactions 921
ALDER, BERNI J. (see Ross, Marvin) 1077
ALEXEFF, I. and W. D. JONES. Collisionless ion-wave propagation and the determination of the compression coefficient of plasma electrons 675(E)
ALLEN, S. J., JR., R. LOUDON, and P. L. RICHARDS. Two-magnon absorption in antiferromagnetic MnF_2 463
ALTARELLI, G., R. GATTO, L. MAIANI, and G. PREPARATA. Mixed effects in baryon spectroscopy 918
AMBEGAOKAR, VINAY. Ultrasonic attenuation in pure strong-coupling superconductors 1047
ANDERSON, A. C., W. R. ROACH, R. E. SARWINSKI, and J. C. WHEATLEY. Heat capacity of dilute solutions of liquid He^3 in He^4 at low temperatures 263
——— (see Abel, W. R.) 273
ANDERSON, E. W., E. J. BLESER, G. B. COLLINS, T. FUJII, J. MENES, F. TURKOT, R. A. CARRIGAN, JR., R. M. EDELSTEIN, N. C. HIEN, T. J. McMAHON, and I. NADELHAFT. Experimental study of $p+p \rightarrow p+N^*$ at incident energies of 6-30 BeV 855
ANDERSON, H. L., R. J. McKEE, C. K. HARGROVE, and E. P. HINCKS. Fine structure and isotope shift in muonic lead 434
ANDERSON, J. R. (see Bhagat, S. M.) 1099
ANDERSON, JARED A., FRANK S. CRAWFORD, JR., ROBERT L. GOLDEN, DONALD STERN, THOMAS O. BINFORD, and V. GORDON LIND. CP-nonconserving decay $K_1^0 \rightarrow \pi^+ + \pi^- + \pi^0$ 968(E)
ANDERSON, K. A. and R. P. LIN. Observations on the propagation of solar-flare electrons in interplanetary space 1121
ANDERSON, OSCAR A. Measurement of the electron correlation spectrum in a plasma 978
ANDERSON, P. W. (see McMillan, W. L.) 85
ANDREEN, C. J., E. F. WASSERMANN, and R. L. HINES. Direct observation of channeling in bcc iron films 782
ARECCHI, F. T., A. BERNÉ, and P. BURLAMACCHI. High-order fluctuations in a single-mode laser field 32
ARMSTRONG, J. A. (see Smith, Archibald W.) 1169
ASAI, SHOJIRO, NOBORU MIURA, and SHOJI TANAKA. Conductivity change in CdS by microwave phonons 991
ASARO, F. (see Gunter, K.) 362
ASBRIDGE, J. R. (see Bame, S. J.) 138
——— (see Strong, I. B.) 631
ASH, W. W. (see Akerlof, C. W.) 147
ASIK, JOSEPH R., MICHAEL A. BALL, and CHARLES P. SLICHTER. Spin-flip scattering of conduction electrons from impurities 740

BACCI, C., G. PENSO, G. SALVINI, C. MENCUCCINI, and V. SILVESTRINI. Photoproduction of the eta particle at 800-1000 MeV. A comparison between the πN and the ηN systems 157; 384(E)
BACHMAN, A. H. (see Barnes, V. E.) 41
BAER, W. S. Faraday rotation in $KTaO_3$ 729
BALDOCK, D. (see Huguenin, R.) 795
BALL, MICHAEL A. (see Asik, Joseph R.) 740
BALLIK, E. A. (see Bennett, W. R., Jr.) 603
BALTAY, CHARLES, PAOLO FRANZINI, JEWAN KIM, LAWRENCE KIRSCH, DINO ZANELLO, JULIET LEE-FRANZINI, RICHARD LOVELESS, JOHN McFADYEN, and HAROLD YARGER. Experimental evidence concerning charge-conjugation noninvariance in the decay of the η meson 1224
BAME, S. J., J. R. ASBRIDGE, H. E. FELTHAUSER, R. A. OLSON, and I. B. STRONG. Electrons in the plasma sheet of the earth's magnetic tail 138
——— (see Strong, I. B.) 631
BARBER, W. C., B. GITTELMAN, G. K. O'NEILL, and B. RICHTER. Test of quantum electrodynamics by electron-electron scattering 1127

AUTHOR INDEX TO VOLUME 16
References with (E) are to Errata

ABEL, W. R., A. C. ANDERSON, W. C. BLACK, and J. C. WHEATLEY. Thermal equilibrium between liquid He^3 and powdered cerium magnesium nitrate at very low temperatures 273
ABRAHAM, B. M., Y. ECKSTEIN, J. B. KETTERSON, and J. H. VIGNOS. Measurements of the ultrasonic attenuation in liquid He^4 at low temperatures 1039
ABRAHAMS, ELIHU (see Cohen, Roger W.) 931
ACKERMAN, C. C., B. BERTMAN, H. A. FAIRBANK, and R. A. GUYER. Second sound in solid helium 789
ADLER, E. and E. ERLBACH. Polarization dependence of the indirect piezoabsorption coefficient in Ge and Si 87; 927(E)
ADLER, J. G., J. E. JACKSON, and B. S. CHANDRASEKHAR. Effect of alloying on the phonon spectrum of lead-indium alloys 53
AHMADZADEH, AKBAR. Exchange-degeneracy classification of Regge trajectories and the total cross sections 952
AHN, B. H. (see White, J. A.) 639
AKERLOF, C. W., W. W. ASH, K. BERKELMAN, and C. A. LICHTENSTEIN. π^+ charge form factor and electroproduction 147
ALBRIGHT, C. H., L. S. LIU, and M. O. TJIA. Quark-model approach for the semileptonic reactions 921
ALDER, BERNI J. (see Ross, Marvin) 1077
ALEXEFF, I. and W. D. JONES. Collisionless ion-wave propagation and the determination of the compression coefficient of plasma electrons 675(E)
ALLEN, S. J., JR., R. LOUDON, and P. L. RICHARDS. Two-magnon absorption in antiferromagnetic MnF_2 463
ALTARELLI, G., R. GATTO, L. MAIANI, and G. PREPARATA. Mixed effects in baryon spectroscopy 918
AMBEGAOKAR, VINAY. Ultrasonic attenuation in pure strong-coupling superconductors 1047
ANDERSON, A. C., W. R. ROACH, R. E. SARWINSKI, and J. C. WHEATLEY. Heat capacity of dilute solutions of liquid He^3 in He^4 at low temperatures 263
——— (see Abel, W. R.) 273
ANDERSON, E. W., E. J. BLESER, G. B. COLLINS, T. FUJII, J. MENES, F. TURKOT, R. A. CARRIGAN, JR., R. M. EDELSTEIN, N. C. HIEN, T. J. McMAHON, and I. NADELHAFT. Experimental study of $p+p \rightarrow p+N^*$ at incident energies of 6-30 BeV 855
ANDERSON, H. L., R. J. McKEE, C. K. HARGROVE, and E. P. HINCKS. Fine structure and isotope shift in muonic lead 434
ANDERSON, J. R. (see Bhagat, S. M.) 1099
ANDERSON, JARED A., FRANK S. CRAWFORD, JR., ROBERT L. GOLDEN, DONALD STERN, THOMAS O. BINFORD, and V. GORDON LIND. CP-nonconserving decay $K_1^0 \rightarrow \pi^+ + \pi^- + \pi^0$ 968(E)
ANDERSON, K. A. and R. P. LIN. Observations on the propagation of solar-flare electrons in interplanetary space 1121
ANDERSON, OSCAR A. Measurement of the electron correlation spectrum in a plasma 978
ANDERSON, P. W. (see McMillan, W. L.) 85
ANDREEN, C. J., E. F. WASSERMANN, and R. L. HINES. Direct observation of channeling in bcc iron films 782
ARECCHI, F. T., A. BERNÉ, and P. BURLAMACCHI. High-order fluctuations in a single-mode laser field 32
ARMSTRONG, J. A. (see Smith, Archibald W.) 1169
ASAI, SHOJIRO, NOBORU MIURA, and SHOJI TANAKA. Conductivity change in CdS by microwave phonons 991
ASARO, F. (see Gunter, K.) 362
ASBRIDGE, J. R. (see Bame, S. J.) 138
——— (see Strong, I. B.) 631
ASH, W. W. (see Akerlof, C. W.) 147
ASIK, JOSEPH R., MICHAEL A. BALL, and CHARLES P. SLICHTER. Spin-flip scattering of conduction electrons from impurities 740

BACCI, C., G. PENSO, G. SALVINI, C. MENCUCCINI, and V. SILVESTRINI. Photoproduction of the eta particle at 800-1000 MeV. A comparison between the πN and the ηN systems 157; 384(E)
BACHMAN, A. H. (see Barnes, V. E.) 41
BAER, W. S. Faraday rotation in $KTaO_3$ 729
BALDOCK, D. (see Huguenin, R.) 795
BALL, MICHAEL A. (see Asik, Joseph R.) 740
BALLIK, E. A. (see Bennett, W. R., Jr.) 603
BALTAY, CHARLES, PAOLO FRANZINI, JEWAN KIM, LAWRENCE KIRSCH, DINO ZANELLO, JULIET LEE-FRANZINI, RICHARD LOVELESS, JOHN McFADYEN, and HAROLD YARGER. Experimental evidence concerning charge-conjugation noninvariance in the decay of the η meson 1224
BAME, S. J., J. R. ASBRIDGE, H. E. FELTHAUSER, R. A. OLSON, and I. B. STRONG. Electrons in the plasma sheet of the earth's magnetic tail 138
——— (see Strong, I. B.) 631
BARBER, W. C., B. GITTELMAN, G. K. O'NEILL, and B. RICHTER. Test of quantum electrodynamics by electron-electron scattering 1127

BARDIN, T. T., R. C. BARRETT, R. C. COHEN, S. DEVONS, D. HITLIN, E. MACAGNO, C. NISSIM-SABAT, J. RAINWATER, K. RUNGE, and C. S. WU. Magnetic dipole and electric quadrupole hyperfine effects in Bi^{209} muonic x rays 429

———, R. C. BARRETT, R. C. COHEN, S. DEVONS, D. HITLIN, E. MACAGNO, C. NISSIM-SABAT, J. RAINWATER, K. RUNGE, and C. S. WU. Isotope shifts in muonic x rays of $Sn^{118,119,120}$, $Nd^{142,144,146}$, and $W^{182,184,186}$ 718

BARDON, M., U. DORE, D. DORFAN, M. KRIEGER, L. LEDERMAN, and E. SCHWARZ. Comparison of pion and antipion lifetimes 775

BARGER, V. and D. CLINE. Regge recurrences and $\pi^- p$ elastic scattering at 180° 913; 1135(E)

——— and M. OLSSON. Real part of the proton-neutron scattering amplitude from an SU(3) Regge-pole model 545

BARIEAU, ROBERT E. Thermodynamic properties of van der Waals fluid, particularly near the critical point 297

BARMAWI, M. Regge-pole analysis of $\pi^+ + n \rightarrow \omega + p$ 595

BARNES, R. G., D. A. CORNELL, and D. R. TORGESON. Paramagnetic resonance of cobalt in intermetallic compounds 233

BARNES, V. E., W. B. FOWLER, K. W. LAI, S. ORENSTEIN, D. RADOJIČIĆ, M. S. WEBSTER, A. H. BACHMAN, P. BAUMEL, and R. M. LEA. Study of the reaction $\pi^- + p \rightarrow \rho^0 + \pi^- + p$ at 6 BeV/c 41

——— (see Firestone, A.) 556

BAR-NIR, I. M. Renormalization of the strangeness-changing axial-current coupling constant 473; 927(E)

BARRETT, R. C. (see Bardin, T. T.) 429

——— (see Bardin, T. T.) 718

BARTELINK, D. J. Amplification of transverse plasma waves in bismuth 510

BARTLETT, D., C. E. FRIEDBERG, K. GOULIANOS, and D. HUTCHINSON. Experimental test of time-reversal invariance in the decay $K_L^0 \rightarrow \pi^- + \mu^+ + \nu$ 282; 601(E)

BARUT, A. O. and H. KLEINERT. Near forward peaks in the $K^- p$ and $\pi^- p$ charge-exchange scattering 950

BASSEL, R. H. (see Fricke, M. P.) 746

BAUER, E. (see Browne, H. N.) 495

BAUMEL, P. (see Barnes, V. E.) 41

BAUMGARTNER, E., H. E. CONZETT, E. SHIELD, and R. J. SLOBODRIAN. Determination of the neutron-neutron scattering length from the reaction $T(d, He^3)2n$ 105

BAUR, M. E. and W. R. SALZMAN. Dielectric susceptibility of ion impurity systems at low temperatures 701

BEATY, E. C., J. C. BROWNE, and A. DALGARNO. Ion mobilities in helium 723

BECKER, G. E. (see Hagstrum, H. D.) 230

BEEBY, J. L. (see Tanaka, M.) 1088

BELL, P. R., R. A. DORY, G. E. GUEST, G. G. KELLEY, N. H. LAZAR, J. F. LYON, and R. F. STRATTON. Apparent high-frequency stability of a highly anisotropic plasma 1152

BELL, ROBERT B., ROBERT W. BIRGE, YU-LI PAN, and ROBERT T. PU. Spin-parity determination of the $Y_1^*(1765)$ 203

BELLEMANS, A. and R. K. NIGAM. Phase transitions in the hard-square lattice gas 1038

BENEDEK, G. and G. F. NARDELLI. Anomalous stress effects in resonant-mode infrared absorption 517

BENNEMANN, K. H. and S. NAKAJIMA. Superconductivity in ferromagnetic alloys 243

BENNETT, W. R., JR., E. A. BALLIK, and G. N. MERCER. Spontaneous-emission line shape of ion laser transitions 603

BENSON, G., L. LOVELL, E. MARQUIT, B. ROE, D. SINCLAIR, and J. VANDER VELDE. Observation and properties of the neutral A_2 meson 1177

BERGSTRESSER, T. K. (see Saslow, W.) 354

BERKELMAN, K. (see Akerlof, C. W.) 147

BERLEY, D., P. L. CONNOLLY, E. L. HART, D. C. RAHM, D. L. STONEHILL, B. THEVENET, W. J. WILLIS, and S. S. YAMAMOTO. Observation of a peak in $K^- + p \rightarrow \Lambda + \eta$ near threshold 162(E)

BERMAN, PAUL R. (see Zernike, Frits, Jr.) 117(E)

BERNÉ, A. (see Arecchi, F. T.) 32

BERNSTEIN, RICHARD B. Long-range interatomic forces from predissociation data and resonances in atomic scattering 385

BERTMAN, B. (see Ackerman, C. C.) 789

BHAGAT, S. M., J. R. ANDERSON, and L. L. HIRST. Ferromagnetic resonance in pure iron at low temperatures 1099

BHASIN, V. S. (see Mitra, A. N.) 523

BINCER, ADAM M. Consistency condition on G_A and D/F from chiral SU(3)⊗SU(3) 754

BINFORD, THOMAS O. (see Anderson, Jared A.) 968(E)

BINKLEY, M. (see Stein, P.) 592

BIRGE, ROBERT W. (see Bell, Robert B.) 203

BIRGENEAU, R. J., M. T. HUTCHINGS, and R. N. ROGERS. Electric quadrupole-quadrupole interaction between cerium pairs in lanthanum chloride 584

BISHOP, J., A. T. GOSHAW, A. R. ERWIN, M. A. THOMPSON, W. D. WALKER, and A. WEINBERG. Recent results on strangeness-one resonances 1069

BISWAS, S. N. (see Bose, S. K.) 330

BJORKEN, J. D. Inequality for electron and muon scattering from nucleons 408

BLACK, W. C. (see Abel, W. R.) 273

BLACKMORE, E. W. and J. B. WARREN. Final-state interactions in the reaction $He^3(He^3, 2p)He^4$ 520
BLESER, E. J. (see Anderson, E. W.) 855
BLOEMBERGEN, N., R. K. CHANG, and C. H. LEE. Second-harmonic generation of light in reflection from media with inversion symmetry 986
——— and P. LALLEMAND. Complex intensity-dependent index of refraction, frequency broadening of stimulated Raman lines, and stimulated Rayleigh scattering 81
BLUM, N. A. (see Cohen, S. G.) 322
——— (see Frankel, R. B.) 258(E)
BODDY, P. J. (see Frova, A.) 688
BOHM, H. V. (see Thomas, R. L.) 587
BÖHMER, H. and M. RAETHER. Incoherent scattering of microwaves by unstable electron plasma oscillations 1145
BONIFACIO, R., L. M. NARDUCCI, and E. MONTALDI. Conditions for existence of a diagonal representation for quantum mechanical operators 1125
BONNEVIER, B. (see Ekspong, A. G.) 664
BOOTH, NORMAN E. (see Yokosawa, A.) 714
BORGHINI, M. Dynamic polarization of nuclei by electron-nucleus dipolar coupling ("effet solide") 318; 1135(E)
BOROWITZ, SIDNEY (see Wieder, Sol) 724
BOSE, S. K. and S. N. BISWAS. Current algebras and nonleptonic K-meson decays 330
BOUNIN, J. (see Ehrlich, R. D.) 540
BOWEN, S. P., M. GOMEZ, J. A. KRUMHANSL, and J. A. D. MATTHEW. Theory of displaceable point defects in crystals 1105
BOWEN, THEODORE. Minimal CP nonconservation in K^0 decay 112
BOYARSKI, A. (see dePagter, J. K.) 35
BREAUX, O. F. and G. MEDICUS. Photoelectric ion emission from cesiated surfaces 392
BRODSKY, S. J. and M. KUGLER. Effects of polarization on the detection of the intermediate boson 65
BRODY, H., R. LANZA, R. MARSHALL, J. NIEDERER, W. SELOVE, M. SHOCHET, and R. VAN BERG. Measurement of $\pi^{\pm}p$ backward scattering at 4 to 8 GeV/c 828; 968(E)
BRON, W. E. and R. W. DREYFUS. Electric resonance of rotating dipoles in ionic crystals 165
BROSHAR, W., B. McCOMBE, and G. SEIDEL. Influence of the electron interactions on orbital quantization 235
BROWN, FIELDING and ROBERT E. PARKS. Magnetic-dipole contribution to optical harmonics in silver 507
BROWN, LAURIE M. and PAUL SINGER. Decay modes of the η meson 424(E)
BROWN, LOWELL S. and CHARLES M. SOMMERFIELD. Algebra of currents and nonleptonic hyperon decay 751
BROWNE, H. N. and E. BAUER. Importance of relativistic effects in the scattering of slow electrons 495
BROWNE, J. C. (see Beaty, E. C.) 723
BUCHSBAUM, S. J. (see Granatstein, V. L.) 504
BUDZINSKI, W. V. and M. P. GARFUNKEL. Magnetic field-induced anisotropy of the superconducting energy gap determined by microwave absorption 1100
BUGNOLO, D. S. (see Granatstein, V. L.) 504
BURCHAM, W. E. (see Freeman, J. M.) 959
BURLAMACCHI, P. (see Arecchi, F. T.) 32
BUTLER, G. W. (see Cerny, J.) 469
BYRON, F. W., JR., and C. J. JOACHAIN. Importance of correlation effects in the ionization of helium by electron impact 1139

CALLAN, C. G. and S. B. TREIMAN. Equal-time commutators and K-meson decays 153
CAPE, J. A., G. W. LEHMAN, W. V. JOHNSTON, and R. E. DeWAMES. Calorimetric observation of virtual bound-mode phonon states in dilute Mg-Pb and Mg-Cd alloys 892
CAPPS, RICHARD H. $SU(6)_W$ and meson resonances of even parity 1066
CARDONA, MANUEL, FRED H. POLLAK, and KERRY L. SHAKLEE. Electroreflectance in AlSb: Observation of the direct band edge 644
——— (see Pollak, Fred H.) 942; 1187(E)
——— (see Shaklee, Kerry L.) 48
CARRIGAN, R. A., JR. (see Anderson, E. W.) 855
CARROLL, A. S., I. F. CORBETT, C. J. S. DAMERELL, N. MIDDLEMAS, D. NEWTON, A. B. CLEGG, and W. S. C. WILLIAMS. π-p charge-exchange processes in the region of 2 GeV/c 288
CASPERS, W. J. (see Vertogen, G.) 904
CENCE, ROBERT J. (see Richards, W. Bruce) 1221
CERNY, J., S. W. COSPER, G. W. BUTLER, R. H. PEHL, E. S. GOULDING, D. A. LANDIS, and C. DÉTRAZ. Mass of ^{3}He from the four-neutron transfer reaction $^{26}Mg(\alpha, {}^8He)^{22}Mg$ 469
CHAN, P. W. and R. A. NODWELL. Collective scattering of laser light by a plasma 122
CHANDRASEKHAR, B. S. (see Adler, J. G.) 53
——— (see Farrell, D. E.) 91
CHANG, F. H. S. (see Gavenda, J. D.) 228
CHANG, N. P. Generalized definition of P and C 337; 494(E)
CHANG, R. K. (see Bloembergen, N.) 986
CHASE, R. C. (see dePagter, J. K.) 35
CHEN, CHE JEN. Experimental evidence of inverse bremsstrahlung and electron-impact ionization in low-pressure argon ionized by a giant-pulse laser 833
CHEW, GEOFFREY F. Decreasing $I=0$, $J=0$ $\pi\pi$ phase shift and Regge ghosts 60
CHIAO, R. Y. (see Garmire, E.) 347
CHIAROTTI, G. and U. M. GRASSANO. Modu-

lated F-center absorption in KCl 124
CHIU, CHARLES B. (see Richards, W. Bruce) 1221
CHIU, Y. T. and J. SCHECHTER. Weak-interaction universality and octet dominance 1022
CHOW, Y. W. (see Cohen, S. G.) 322
CHUNG, SUH URK, MONIQUE NEVEU-RENÉ, ORIN I. DAHL, JANOS KIRZ, DONALD H. MILLER, and ZAVEN G. T. GUIRAGOSSIÁN. Analysis of the B enhancement 481; 635(E)
CLAPP, PHILIP C. Necessity of second-neighbor interactions in Ising theories of ordered antiferromagnets and alloys on face-centered cubic lattices 687
CLARK, B. C. (see van Oostrum, K. J.) 528
CLAUSER, JOHN F. (see Thaddeus, Patrick) 819
CLEGG, A. B. (see Carroll, A. S.) 288
CLINE, DAVID. Method to test for time-reversal invariance violation in K decays 367
——— (see Barger, V.) 913; 1135(E)
CLOW, JAMES R. and JOHN D. REPPY. Temperature dependence of the superfluid density in He II near T_λ 887; 1030(E)
COCKE, W. J. Relativistic corrections for terrestrial clock synchronization 662; 779(E); 1233(E)
CODY, G. D. and R. E. MILLER. Parallel and perpendicular magnetic transitions of superconducting films and foils of lead 697
COHAN, NORAH V. and H. F. HAMEKA. General theorem for multiple-photon processes 478
COHEN, K. J. (see Elings, V. B.) 474
COHEN, MARVIN L. (see Saslow, W.) 354
COHEN, R. C. (see Bardin, T. T.) 429
——— (see Bardin, T. T.) 718
COHEN, ROGER W. and ELIHU ABRAHAMS. Effect of quasiparticle lifetime on the superfluid transition temperature of He^3 931
COHEN, S. G., N. A. BLUM, Y. W. CHOW, R. B. FRANKEL, and L. GRODZINS. Isomer-shift measurement in W^{182} 322
COLEMAN, E., R. M. HEINZ, O. E. OVERSETH, and D. E. PELLETT. Proton-deuteron elastic scattering at high momentum transfers 761
COLEMAN, SIDNEY. Can I^2 be conserved, but not $\vec{I}$? 539
COLES, B. R. (see Griffiths, D.) 1093
COLLINS, G. B. (see Anderson, E. W.) 855
CONNOLLY, P. L. (see Berley, D.) 162(E)
CONZETT, H. E. (see Baumgartner, E.) 105
COOL, R. L., G. GIACOMELLI, T. F. KYCIA, B. A. LEONTIĆ, K. K. LI, A. LUNDBY, and J. TEIGER. New structure in the $K^- - p$ and $K^- - d$ total cross sections between 1.0 and 2.45 GeV/c 1228
COPPI, B., G. LAVAL, and R. PELLAT. Dynamics of the geomagnetic tail 1207
CORBETT, I. F. (see Carroll, A. S.) 288
CORDONE, L. and M. U. PALMA. Permanent photoinduced conductivity in silver halide crystals 22
CORNELL, D. A. (see Barnes, R. G.) 233
CORNWALL, JOHN M. Current-commutator constraints on three- and four-point functions 1174
COSPER, S. W. (see Cerny, J.) 469
COWLEY, R. A. (see Dolling, G.) 683
CRAIG, PAUL P. (see Triftshäuser, Werner) 1161
CRAWFORD, BEVALYN B. (see Meisner, Gerald W.) 278
CRAWFORD, FRANK S., JR., L. J. LLOYD, and EARLE C. FOWLER. Branching ratio $\Gamma(\eta \to 3\pi^0)/\Gamma(\eta \to \pi^+ + \pi^- + \pi^0)$ 907; 1030(E)
——— and LeROY R. PRICE. Study of the decay $\eta^0 \to \pi^+ + \pi^- + \gamma$ 333; 562(E)
——— (see Anderson, Jared A.) 968(E)
——— (see Meisner, Gerald W.) 278
CRENNELL, DAVID J., GEORGE R. KALBFLEISCH, KWAN WU LAI, J. MICHAEL SCARR, THOMAS G. SCHUMANN, IAN O. SKILLICORN, and MEDFORD S. WEBSTER. Observation of an enhancement in the $I=0$ $K_1^0 K_1^0$ system at 1068 MeV 1025
CRIEGEE, L., G. LUTZ, H. D. SCHULZ, U. TIMM, and W. ZIMMERMANN. Polarization measurement of the 6-GeV coherent bremsstrahlung from the Hamburg electron synchrotron 1031
CROUSER, L. C. (see Swanson, L. W.) 389
CROW, J. E. (see Guertin, R. P.) 1095
CROWE, G. J., W. FUCHS, and D. A. WIEGAND. Schottky disorder and lattice relaxation in single crystals of NaCl due to x irradiation at room temperature 1154
CROWE, KENNETH M. (see Jenkins, David A.) 637
——— (see Maung, Tin) 374
CUNDILL, M. A. and W. F. SHERMAN. External modes of vibration of small polyatomic ions isolated in alkali halides 570
CURRIE, D. G. and T. F. JORDAN. One-dimensionality of relativistic particle forces for uniform center-of-mass motion 1210
CUTHILL, J. R., A. J. McALISTER, and M. L. WILLIAMS. Soft x-ray spectrum of Ni and comparison with photoemission and ion neutralization results 993

DAHL, ORIN I. (see Chung, Suh Urk) 481; 635(E)
DAIRIKI, NED T. (see Maung, Tin) 374
DALBY, F. W. (see Phelps, D. H.) 3
DALGARNO, A. (see Beaty, E. C.) 723
DALVEN, RICHARD. Fundamental optical absorption in β-silver telluride 311
DAMEN, T. C. (see Porto, S. P. S.) 450
DAMERELL, C. J. S. (see Carroll, A. S.) 288
DANOS, M. (see Ligensa, R.) 364
DAR, A. and S. VARMA. Coherent elastic scattering and incoherent inelastic scattering 1003
DARBARI, G. S. (see Singh, R. P.) 1150
DASH, J. G. and R. H. NUSSBAUM. Relaxation narrowing of Mössbauer gamma rays 567

DATE, MUNEYUKI and MITSUHIRO MOTOKAWA. Spin-cluster resonance in $CoCl_2 \cdot 2H_2O$ 1111
DAVIES, W. E. R. (see Ramsden, S. A.) 303
DEATON, B. C. Anomalous ultrasonic attenuation in pure superconducting Pb 577
DEHMELT, H. G. (see Fortson, E. N.) 221
DELER, B. (see Kraybill, H. L.) 863
DELVAILLE, J. P. (see Ögelman, H. B.) 491
dePAGTER, J. K., J. I. FRIEDMAN, G. GLASS, R. C. CHASE, M. GETTNER, E. von GOELER, ROY WEINSTEIN, and A. BOYARSKI. Determination of the branching ratio for the decay of rho mesons into muon pairs 35
DESAI, BIPIN R. and PETER G. O. FREUND. 2^+ mesons and high-energy scattering 622
DESAI, RASHMI C. and MARK NELKIN. Collective motion in liquid argon 839
DETOEUF, J. F., Y. DUCROS, J. P. MERLO, A. V. STIRLING, B. THEVENET, L. van ROSSUM, and J. ZSEMBERY. Angular distribution of the π^0 in the reaction $\pi^+ + p \rightarrow \pi^+ + p + \pi^0$ up to 1070 MeV 860
DÉTRAZ, C. (see Cerny, J.) 469
DEVONS, S. (see Bardin, T. T.) 429
——— (see Bardin, T. T.) 718
DeWAMES, R. E. (see Cape, J. A.) 892
DeWITT, BRYCE S. Superconductors and gravitational drag 1092
DIAMOND, R. M., E. MATTHIAS, J. O. NEWTON, and F. S. STEPHENS. Nuclear alignment in heavy-ion reactions 1205
DICKEY, J. M., AXEL MEYER, and W. H. YOUNG. Alkali impurity resistivities in liquid sodium 727
DIENES, G. J., R. D. HATCHER, R. SMOLUCHOWSKI, and W. WILSON. Minimum-energy configuration of Li^+ in KCl 25
DIETZ, R. E., A. MISETICH, and H. J. GUGGENHEIM. Effect of uniaxial stress on magnon sidebands in MnF_2 841
DI GIUGNO, G., R. QUERZOLI, G. TROISE, F. VANOLI, M. GIORGI, P. SCHIAVON, and V. SILVESTRINI. Determination of the branching ratios among the neutral decay modes of the η particles 767
DIMMOCK, J. O., I. MELNGAILIS, and A. J. STRAUSS. Band structure and laser action in $Pb_xSn_{1-x}Te$ 1193
——— (see Freeman, A. J.) 94
DINEWITZ, I. (see Farrell, D. E.) 91
DMITRIEV, V. M. (see Wyatt, A. F. G.) 1166
DOLLING, G. and R. A. COWLEY. Observation of magnon-phonon interaction at short wavelengths 683
DONNELLY, R. J. (see Parks, Peter E.) 45
DORE, U. (see Bardon, M.) 775
DORFAN, D. (see Bardon, M.) 775
DORY, R. A. (see Bell, P. R.) 1152
——— (see Postma, H.) 265
DOUGLASS, D. H., JR. (see Rochlin, G. I.) 359
DRAKE, C. W. and R. KROTKOV. Nuclear polarization of negative deuterium ions produced by charge exchange 848
DREIZLER, REINER and ABRAHAM KLEIN. Interpretation of higher rotational states of deformed nuclei and foundations of the self-consistent cranking model 79(E)
DRELL, S. D. and A. C. HEARN. Exact sum rule for nucleon magnetic moments 908
——— and J. S. TREFIL. Determination of ρ_0-nucleon total cross sections from coherent photoproduction 552; 832(E)
DREYFUS, R. W. (see Bron, W. E.) 165
DRISKO, R. M. and F. RYBICKI. Finite-well, single-particle wave functions in two-nucleon stripping 275
——— (see Fricke, M. P.) 746
DUCROS, Y. (see Detoeuf, J. F.) 860
DUNLAP, J. L. (see Postma, H.) 265
DWORIN, LOWELL. Localized magnetic moments in metals 1042
DWORSCHAK, F., J. NEUHÄUSER, H. SCHUSTER, J. WURM, S. POTYKA, G. SOKOLOWSKI, and H. WOLLENBERGER. Saturation behavior of the defect production in electron-irradiated copper below 7.5°K 685

EANDI, RICHARD D. (see Richards, W. Bruce) 1221
EBERHARD, PHILIPPE H. Parameters of the $K_0\bar{K}_0$ system 150
ECKSTEIN, S. G. Magnetoacoustic antiresonance 611
ECKSTEIN, Y. (see Abraham, B. M.) 1039
EDELSTEIN, N. (see Matthias, E.) 974
EDELSTEIN, R. M. (see Anderson, E. W.) 855
EDEN, R. J. Use of unitarity in proving Pomeranchuk's theorem on cross sections at high energies 39
EHRLICH, R. D., D. FRYBERGER, D. A. JENSEN, C. NISSIM-SABAT, R. J. POWERS, B. A. SHERWOOD, and V. L. TELEGDI. Experimental observation of $M1$ and $E2$ hyperfine structure in the muonic K and L x rays of bismuth 425
———, D. FRYBERGER, R. J. POWERS, B. A. SHERWOOD, V. L. TELEGDI, and J. BOUNIN. Measurement of the electron spectrum from muon decay, and its implications 540
EKSPONG, A. G., N. K. YAMDAGNI, and B. BONNEVIER. Annihilation of nucleon-antinucleon as the source of energy for certain radioastronomical objects 664
ELINGS, V. B., K. J. COHEN, D. A. GARELICK, S. HOMMA, R. A. LEWIS, P. D. LUCKEY, and L. S. OSBORNE. Photoproduction cross sections for π^+ and K^+ mesons at 3.4 to 4.0 GeV and their comparison with SU(3) 474
EMTAGE, P. R. and J. J. O'DWYER. Richard-

son-Schottky effect in insulators 356
ENGELER, W. E., M. GARFINKEL, and J. J. TIEMANN. Observation of phonon-assisted indirect transitions by stress-modulated optical transmission 239
ENGLMAN, ROBERT and RAFAEL RUPPIN. Optical phonons in finite crystals 898
ERICKSON, R. A. (see Mucker, K. F.) 799
ERLBACH, E. (see Adler, E.) 87; 927(E)
ERWIN, A. R., W. D. WALKER, and A. WEINBERG. Search for evidence of a K^+K^+ resonance 1063
——— (see Bishop, J.) 1069
ESAKI, L. and P. J. STILES. BiSb alloy tunnel junctions 574
——— and P. J. STILES. New type of negative resistance in barrier tunneling 1108
ESTERLING, ROBERT J. (see Yokosawa, A.) 714
ETTERS, RICHARD D. Zero-sound excitations in He^4 119
EVERHART, EDGAR (see Kessel, Quentin C.) 1189

FABRI, E. and L. E. PICASSO. Quantum field theory and approximate symmetries 408
FAIRBANK, H. A. (see Ackerman, C. C.) 789
FAN, C. Y., G. GLOECKLER, K. C. HSIEH, and J. A. SIMPSON. Isotopic abundances and energy spectra of He^3 and He^4 above 40 MeV per nucleon from the galaxy 813
FANG, F. F. and W. E. HOWARD. Negative field-effect mobility on (100) Si surfaces 797
——— (see Fowler, A. B.) 901
FARRELL, D. E., I. DINEWITZ, and B. S. CHANDRASEKHAR. Nonlinear flux flow in type-II superconductors 91
FEDAK, D. G. and N. A. GJOSTEIN. Structure and stability of the (100) surface of gold 171
FEHER, G., I. W. SHEPHERD, and HERBERT B. SHORE. Paraelectric resonance of OH^- dipoles in KCl 500; 1187(E)
FEINLEIB, J. Electroreflectance in metals 1200
FELTHAUSER, H. E. (see Bame, S. J.) 138
FERRELL, RICHARD A. and WILLIAM M. MacDONALD. Fine structure in nuclear resonances 187
FIELD, GEORGE B. and JOHN L. HITCHCOCK. Cosmic black-body radiation at $\lambda = 2.6$ mm 817
FINK, H. J. Inherent low-frequency losses of the superconducting surface sheath 447
FIORY, A. T. and B. SERIN. Observation of a "Peltier" effect in a type-II superconductor 308
FIRESTONE, A., J. K. KIM, J. LACH, J. SANDWEISS, H. D. TAFT, V. BARNES, H. W. J. FOELSCHE, T. MORRIS, Y. OREN, and M. WEBSTER. K_S regeneration and $K_L \to \pi^+ + \pi^-$ decay in the 80-inch hydrogen bubble chamber 556
FISHER, MICHAEL E. Quantum corrections to critical-point behavior 11
FISHER, T. R., S. S. HANNA, and P. PAUL. Transition rates in B^{10} and the β decay of C^{10} 850
FLATO, M. and D. STERNHEIMER. Local representations and mass spectrum 1185
FLEURY, P. A. (see Patel, C. K. N.) 971
FOELSCHE, H. W. J. (see Firestone, A.) 556
FONER, S. (see Frankel, R. B.) 258(E)
FORTSON, E. N., R. G. MAJOR, and H. G. DEHMELT. Ultrahigh-resolution $\Delta F = 0, \pm 1$ (He^3) hfs spectra by an ion-storage collision technique 221
FOWLER, A. B., F. F. FANG, W. E. HOWARD, and P. J. STILES. Magneto-oscillatory conductance in silicon surfaces 901
FOWLER, EARLE C. (see Crawford, Frank S., Jr.) 907; 1030(E)
FOWLER, W. B. (see Barnes, V. E.) 41
FOYT, A. G., R. E. HALSTED, and WILLIAM PAUL. Evidence for impurity states associated with high-energy conduction-band extrema in n-CdTe 55
FRAHN, W. E. and G. WIECHERS. Proton-nucleus interaction at 20 BeV 810
FRANCO, VICTOR. Small-angle high-energy scattering by deuterons 944
FRANKEL, R. B., N. A. BLUM, S. FONER, A. J. FREEMAN, and M. SCHIEBER. Ferrimagnetic structure of magnetoelectric $Ga_{2-x}Fe_xO_3$ 258(E)
——— (see Cohen, S. G.) 322
FRANZINI, PAOLO (see Baltay, Charles) 1224
FREDERIKSE, H. P. R., J. F. SCHOOLEY, W. R. THURBER, E. PFEIFFER, and W. R. HOSLER. Superconductivity in ceramic, mixed titanates 579
FREEMAN, A. J., J. O. DIMMOCK, and R. E. WATSON. Fermi surface, magnetic ordering, and electrical properties of rare-earth metals 94
——— (see Frankel, R. B.) 258(E)
FREEMAN, J. M., J. G. JENKIN, G. MURRAY, and W. E. BURCHAM. ft values of pure Fermi beta decays and the magnitude of the vector coupling constant 959
FRIED, H. M. and T. N. TRUONG. Sign of the n-p mass difference 559; 884(E)
FREUND, PETER G. O. Universality: A dynamical principle for the theory of hadrons 291; 424(E)
——— (see Desai, Bipin R.) 622
FRICKE, M. P., R. M. DRISKO, R. H. BASSEL, E. E. GROSS, B. J. MORTON, and A. ZUCKER. Asymmetry in the inelastic scattering of 40-MeV polarized protons 746
FRIEDBERG, C. E. (see Bartlett, D.) 282; 601(E)
FRIEDMAN, JEROME H. and RONALD R. ROSS. Production and decay properties of the $K_0^*(892)$ produced in the reaction

$K^- + p \rightarrow p + \bar{K} + \pi^-$ at 2.1, 2.45, and 2.64 BeV/c 485; 832(E)
FRIEDMAN, J. I. (see dePagter, J. K.) 35
FRISCH, H. L. (see Patel, C. K. N.) 971
FRISHMAN, YITZHAK and AMNON KATZ. Corollaries of the Goldstone theorem 370
FRÖHLICH, DIETMAR and HERBERT MAHR. Two-photon spectroscopy in anthracene 895
FROVA, A. and P. J. BODDY. Effect of strong electric fields on the electroreflectance spectrum of conducting ferroelectric crystals 688
FRYBERGER, D. (see Ehrlich, R. D.) 425
——— (see Ehrlich, R. D.) 540
FUCHS, H. (see Siemssen, R. H.) 1050
FUCHS, W. (see Crowe, G. J.) 1154
FUJII, T. (see Anderson, E. W.) 855
FÜNFER, E. (see Kronast, B.) 1082
FURDYNA, JACEK. Quantum effects in microwave helicon propagation in degenerate semiconductor plasmas 646

GARELICK, D. A. (see Elings, V. B.) 474
GARFINKEL, M. (see Engeler, W. E.) 239
GARFUNKEL, M. P. (see Budzinski, W. V.) 1100
GARMIRE, E., R. Y. CHIAO, and C. H. TOWNES. Dynamics and characteristics of the self-trapping of intense light beams 347
GARVEY, GERALD T. and ITZHAK KELSON. New nuclidic mass relationship 197
GATTO, R., L. MAIANI, and G. PREPARATA. Relation between D/F and G_A/G_V from current algebra 377
——— (see Altarelli, G.) 918
GAVENDA, J. D. and F. H. S. CHANG. Magnetoacoustic effects with finite omega-tau 228
GERJUOY, E. Extensions of the momentum-transfer theorem 132
GERSTEIN, IRA S. SU(6) results derived from chiral SU(3)⊗SU(3) algebra 114
——— and B. W. LEE. Chiral algebra, configuration mixing, and magnetic moments 1060
GETTNER, M. (see dePagter, J. K.) 35
GHOSHTAGORE, R. N. Method for determining silicon diffusion coefficients in silicon and in some silicon compounds 890
GIACOMELLI, G. (see Cool, R. L.) 1228
GIAEVER, I. Flux pinning and flux-flow resistivity in magnetically coupled superconducting films 460
GIBBONS, J. H. (see Macklin, R. L.) 248
GILLIS, N. S. and R. D. PUFF. Hypersonic sound velocities 606
GILVARRY, J. J. Lindemann and Grüneisen laws and a melting law at high pressure 1089
GINTZBURG, M. A. Origin of radiation belts 327; 1030(E)
GIORDMAINE, J. A. (see Rentzepis, P. M.) 792
GIORGI, M. (see Di Giugno, G.) 767
GITTLEMAN, B. (see Barber, W. C.) 1127
GITTLEMAN, JONATHAN I. and BRUCE ROSENBLUM. Radio-frequency resistance in the mixed state for subcritical currents 734
GJOSTEIN, N. A. (see Fedak, D. G.) 171
GLASS, G. (see dePagter, J. K.) 35
GLASSER, M. L. Simple explanation of the "Shoenberg anomalies" in the de Haas–van Alphen effect 1159
GLOCK, E. (see Kronast, B.) 1082
GLOECKLER, G. (see Fan, C. Y.) 813
GOEBEL, C. J. Strong coupling of pseudoscalar-meson octet 1130
GOLDEN, ROBERT L. (see Anderson, Jared A.) 968(E)
GOMEZ, M. (see Bowen, S. P.) 1105
GOODRICH, R. G. (see Reynolds, J. M.) 609
GOODSTEIN, D. L. and W. D. McCORMICK. Lambda transition in adsorbed helium at $T > T_\lambda$ 8
GOSHAW, A. T. (see Bishop, J.) 1069
GOSSARD, A. C. and J. H. WERNICK. High-frequency magnetic resonance in cobalt intermetallic compounds 995
GOULD, ROBERT J. and GERARD SCHRÉDER. Opacity of the universe to high-energy photons 252
GOULDING, E. S. (see Cerny, J.) 469
GOULIANOS, K. (see Bartlett, D.) 282; 601(E)
GRAD, HAROLD. Minimum B as a plasma stability criterion 1147
GRANATSTEIN, V. L., S. J. BUCHSBAUM, and D. S. BUGNOLO. Fluctuation spectrum of a plasma additive in a turbulent gas 504
GRASSANO, U. M. (see Chiarotti, G.) 124
GRAVES-MORRIS, P. R. Fredholm method for Bethe-Salpeter equation 201; 494(E)
GREENFIELD, A. J. Experimental evidence for the inadequacy of the basic formula for the electrical resistivity of a liquid metal 6
GREINER, W. (see Ligensa, R.) 364
GREISEN, KENNETH I. End to the cosmic-ray spectrum? 748
——— (see Ögelman, H. B.) 491
GRIFFIN, ALLAN (see Maki, Kazumi) 258(E)
GRIFFITHS, D. and B. R. COLES. Non-S-state paramagnetic resonance in a dilute alloy 1093
GRIFFITHS, ROBERT B. Power-series expansions and specific-heat singularities near the He^4 critical point 787
GRODZINS, L. (see Cohen, S. G.) 322
GROSS, E. E. (see Fricke, M. P.) 746
GRUENBERG, LEONARD W. and LEON GUNTHER. Fulde-Ferrell effect in type-II superconductors 996
GRUNZWEIG-GENOSSAR, J. and M. REVZEN. Recently proposed relationship for superconductors 131
GUERTIN, R. P., J. E. CROW, and R. D.

PARKS. Gigantic magnetic susceptibilities in paramagnetic systems 1095
GUEST, G. E. (see Bell, P. R.) 1152
GUGGENHEIM, H. J. (see Deitz, R. E.) 841
GUIRAGOSSIÁN, ZAVEN G. T. (see Chung, Suh Urk) 481; 635(E)
GUNTER, K., F. ASARO, and A. C. HELMHOLZ. Charge and energy distributions of recoils from Th^{226} alpha decay 362
GUNTHER, LEON (see Gruenberg, Leonard W.) 996
GUTH, EUGENE and LAWRENCE WILETS. Proposal for an experiment on adiabatically induced Coulomb fission 30
GUYER, R. A. (see Ackerman, C. C.) 789
GYGAX, SUSO (see Johnson, R. T.) 101

HADDOCK, R. P. (see Wagner, R. J.) 1116
HADEISHI, TETSUO and CHUNG-HENG LIU. Intensity beats in resonance radiation absorbed by a coherently excited metastable state formed by electron impact 1035
HAGSTRUM, H. D. and G. E. BECKER. Ion-neutralization spectroscopy of copper and nickel 230
HALSTED, R. E. (see Foyt, A. G.) 55
HAMEKA, H. F. (see Cohan, Norah V.) 478
HANNA, S. S. (see Fisher, T. R.) 850
HARA, YASUO and YOICHIRO NAMBU. Nonleptonic decays of K mesons 875
———, Y. NAMBU, and J. SCHECHTER. Nonleptonic decays of hyperons 380
HARARI, HAIM. Current commutators and representation mixing 964
HARGROVE, C. K. (see Anderson, H. L.) 434
HARRIS, A. BROOKS and EARLE HUNT. Nuclear magnetic resonance and relaxation in solid hydrogen 845; 1233(E)
HARRIS, P. M. (see Mucker, K. F.) 799
HART, E. L. (see Berley, D.) 162(E)
HARTLE, R. E. (see Sturrock, P. A.) 628
HASTE, G. R. (see Postma, H.) 265
HATCHER, R. D. (see Dienes, G. J.) 25
HATTA, YOSHISUKE (see Sato, Noriyoshi) 306
HAUGHT, ALAN F. (see Smith, David C.) 1085
HEARN, A. C. (see Drell, S. D.) 908
HECKMAN, H. H. (see Strong, I. B.) 631
HEINZ, R. M. (see Coleman, E.) 761
HELFRICH, W. Destruction of triplet excitons in anthracene by injected electrons 401
HELMHOLZ, A. C. (see Gunter, K.) 362
——— (see Richards, W. Bruce) 1221
HENLEY, E. M. and B. A. JACOBSOHN. Precision tests of T invariance in electromagnetic transitions 706
HERMAN, R. (see van Oostrum, K. J.) 528
HIEBERT, J. C. (see Newman, E.) 28
HIEN, N. C. (see Anderson, E. W.) 855
HILL, ROGER E. (see Yokosawa, A.) 714
HINCKS, E. P. (see Anderson, H. L.) 434
HINES, R. L. (see Andreen, C. J.) 782
HIROSE, A. (see Tânaca, H.) 1079
HIRST, L. L. (see Bhagat, S. M.) 1099
HITCHCOCK, JOHN L. (see Field, George B.) 817
HITLIN, D. (see Bardin, T. T.) 429
——— (see Bardin, T. T.) 718
HOFFSWELL, R. A. (see Yavin, A. I.) 1049
HOFMANN, D. J. and J. R. WINCKLER. Isotopic composition of low-energy helium nuclei in the primary cosmic radiation 109
HOFSTADTER, R. (see van Oostrum, K. J.) 528
HOLT, E. H. (see Huchital, D. A.) 677; 927(E)
HOMMA, S. (see Elings, V. B.) 474
HOSLER, W. R. (see Frederikse, H. P. R.) 579
HOUMANN, J. C. GYLDEN (see Møller, H. Bjerrum) 737
HOUSTON, W. V. and DAVID R. SMITH. Mechanical forces on a superconducting film 516
HOWARD, W. E. (see Fang, F. F.) 797
——— (see Fowler, A. B.) 901
HSIEH, K. C. (see Fan, C. Y.) 813
HUCHITAL, D. A. and E. H. HOLT. Modes of the Kadomtsev plasma instability 677; 927(E)
HUFFMAN, R. E., J. C. LARRABEE, and Y. TANAKA. Influence of atomic-oxygen absorption-line series on cross-section measurements 1033
HUGUENIN, R. and D. BALDOCK. Gyromagnetic effect in vanadium 795
HUNDHAUSEN, A. J. (see Strong, I. B.) 631
HUNT, EARLE (see Harris, A. Brooks) 845; 1233(E)
HUTCHINGS, M. T. (see Birgeneau, R. J.) 584
HUTCHINSON, D. (see Bartlett, D.) 282; 601(E)

JACCARINO, V. (see Kaplan, N.) 1142
JACKSON, J. E. (see Adler, J. G.) 53
JACOBS, LAURANCE D. and W. SELOVE. $T=0$, S-wave, $\pi\pi$ phase shift 669
JACOBSOHN, B. A. (see Henley, E. M.) 706
JACOBSON, ALLAN S. (see Peterson, Laurence E.) 142
JALUFKA, N. W., G. K. OERTEL, and G. S. OFELT. Measurements of Stark broadening of some singly ionized argon lines 1073
JAMES, HUBERT M. (see Raich, John C.) 173
JAMES, L. W. (see Mahler, R. J.) 259
JEFFRIES, C. D. (see McColl, J. R.) 316
JELLEY, J. V. High-energy γ-ray absorption in space by a 3.5°K microwave field 479
JENKIN, J. G. (see Freeman, J. M.) 959
JENKINS, DAVID A. and KENNETH M. CROWE. Pi-mesonic atoms 637
JENSEN, D. A. (see Ehrlich, R. D.) 425
JOACHAIN, C. J. (see Byron, F. W., Jr.) 1139
JOHNSON, E. F. (see Maxfield, B. W.) 652
JOHNSON, E. J. and D. M. LARSEN. Polaron induced anomalies in the interband magnetoabsorption of InSb 655

JOHNSON, F. A., R. JONES, T. P. McLEAN, and E. R. PIKE. Dead-time corrections to photon counting distributions 589
JOHNSON, R. T., O. E. VILCHES, J. C. WHEATLEY, and SUSO GYGAX. Superconductivity in tungsten 101
JOHNSTON, W. V. (see Cape, J. A.) 892
JOHNSTON, WILBUR D., JR., and JOHN G. KING. Measurement of velocity distributions of atoms evaporating from liquid helium II 1191
JONES, L. H. (see Yavin, A. I.) 1049
JONES, R. (see Johnson, F. A.) 589
JONES, W. D. (see Alexeff, I.) 675(E)
JORDAN, T. F. (see Currie, D. G.) 1210
JORGENSEN, T., JR. (see Rudd, M. E.) 929

KALBFLEISCH, GEORGE R. (see Crennel, David J.) 1025
KAMMERER, O. F. (see Strongin, Myron) 456; 675(E)
KAPLAN, N., V. JACCARINO, and J. H. WERNICK. Nuclear-relaxation studies of impurity moments in ferromagnetic metals 1142
KAPLAN, T. A. (see Stanley, H. E.) 981
KARPMAN, G., R. LEONARDI, and F. STROCCHI. Possible test of T-invariance violation in electromagnetic interactions 633
KATAYAMA, YOSHIFUMI and SHOJI TANAKA. Resistance anomaly in n-type InSb at very low temperatures 129
KATZ, AMNON (see Frishman, Yitzhak) 370
KAVALOSKI, C. D., J. S. LILLEY, PATRICK RICHARD, and NELSON STEIN. Decay of isobaric analog states in the lead region 807
KAWARABAYASHI, KEN and MAHIKO SUZUKI. Partially conserved axial-vector current and the decays of vector mesons 255; 384(E)
KELLEY, G. G. (see Bell, P. R.) 1152
KELLEY, P. L. Self-focusing of optical beams 384(E)
KELLY, FRANCIS J. and H. ÜBERALL. Absorption of solar neutrinos in deuterium 145
KELSON, ITZHAK (see Garvey, Gerald T.) 197
KENNEDY, GEORGE C. (see Kraut, Edgar A.) 608
KENNEY, ROBERT W. (see Richards, W. Bruce) 1221
KERNER, EDWARD H. Simultaneously Lorentz- and Galilean-invariant particle dynamics 667
KESSEL, QUENTIN C., MICHAEL P. McCAUGHEY, and EDGAR EVERHART. Q structure and K-shell vacancies in Ne^+-Ne collisions at 150 to 400 keV 1189
KETTERSON, J. B. (see Abraham, B. M.) 1039
KHAN, S. A. (see Reynolds, J. M.) 609
KHURI, N. N. Ratio of the wave-function renormalization constants 75; 601(E)
KIBBLE, T. W. B. Refraction of electron beams by intense electromagnetic waves 1054; 1233(E)
KIERSTEAD, HENRY A. Evidence against an intermediate state between He I and He II 343
KIM, J. K. (see Firestone, A.) 556
KIM, JEWAN (see Baltay, Charles) 1224
KING, JOHN G. (see Johnston, Wilbur D., Jr.) 1191
KINOSHITA, TOICHIRO. Subtractions in partial-wave dispersion relations 869
KIRSCH, LAWRENCE (see Baltay, Charles) 1224
KIRZ, JANOS (see Chung, Suh Urk) 481; 635(E)
KISSLINGER, L. S. and D. M. ROTE. Quasiparticle random-phase approximation in odd-odd nuclei and the neutron-proton interaction 659
KITANO, Y. and G. T. TRAMMELL. Heat magnetization 572
KLAUDER, JOHN R. Improved version of optical equivalence theorem 534
KLEIN, ABRAHAM (see Dreizler, Reiner) 79(E)
KLEIN, M. P. (see Matthias, E.) 974
KLEIN, MICHAEL W. Magnetic state of gadolinium impurities in superconducting lanthanum 90
———. Density of states and the low-temperature specific heat in dilute magnetic alloys 127; 258(E)
KLEIN, O. Remark concerning the basic SU(3) triplets 63
KLEINERT, H. (see Barut, A. O.) 950
KOEHLER, P. F. M. (see Rothe, K. W.) 1118
KOGANEI, M. (see Tanaca, H.) 1079
KOMATSUBARA, KIICHI F. Effect of electric field on the transverse magnetoresistance in n-indium antimonide at 1.5°K 1044
KONECNY, E. (see Schmitt, H. W.) 1008
KORMANYOS, S. W., A. D. KRISCH, J. R. O'FALLON, K. RUDDICK, and L. G. RATNER. Structure in $\pi^- p$ elastic scattering at 180° 709
KRAUT, EDGAR A. and GEORGE C. KENNEDY. New melting law at high pressures 608
KRAYBILL, H. L., D. L. STONEHILL, B. DELER, W. LASKAR, J. P. MERLO, G. VALLADAS, and G. W. TAUTFEST. Angular distribution of the π^0 in the reaction $\pi^+ + p \rightarrow N_{1238}^{*++} + \pi^0$ from 0.5 to 1.46 GeV 863
KREISLER, M. N., F. MARTIN, M. L. PERL, M. J. LONGO, and S. T. POWELL, III. Neutron-proton elastic scattering from 1 to 6 GeV 1217
KRIEGER, M. (see Bardon, M.) 775
KRIMIGIS, S. M. and J. A. VAN ALLEN. Observation of 500-keV protons in interplanetary space with Mariner IV 419
KRISCH, A. D. (see Kormanyos, S. W.) 709
KRONAST, B., H. RÖHR, E. GLOCK, H. ZWICKER, and E. FÜNFER. Measurements of the ion and electron temperature in a theta-pinch plasma by forward scattering 1082
KROTKOV, R. (see Drake, C. W.) 848
KRUMHANSL, J. A. (see Bowen, S. P.) 1105
KRUSKAL, MARTIN D. (see Orszag, Steven A.) 441

KUGLER, M. (see Brodsky, S. J.) 65
KURIYAN, JACOB G. and E. C. G. SUDARSHAN. Application of noninvariance groups to meson-baryon scattering 825
KYCIA, T. F. (see Cool, R. L.) 1228

LACH, J. (see Firestone, A.) 556
LAI, KWAN WU (see Barnes, V. E.) 41
——— (see Crennell, David J.) 1025
LALLEMAND, P. (see Bloembergen, N.) 81
LAMB, W. E., JR. (see Lea, K. R.) 163
——— (see Scully, M.) 853
LANDIS, D. A. (see Cerny, J.) 469
LANGER, J. S. and T. NEAL. Breakdown of the concentration expansion for the impurity resistivity of metals 984
LANZA, R. (see Brody, H.) 828; 968(E)
LARRABEE, J. C. (see Huffman, R. E.) 1033
LARSEN, D. M. (see Johnson, E. J.) 655
LASKAR, W. (see Kraybill, H. L.) 863
LAVAL, G. (see Coppi, B.) 1207
LAWSON, R. D. and R. E. SEGEL. Parity mixing in Hf^{180} 1006
LAX, BENJAMIN (see Zawadzki, Wlodzimierz) 1001
LAZAR, N. H. (see Bell, P. R.) 1152
LEA, K. R., M. LEVENTHAL, and W. E. LAMB, JR. Fine structure of $n = 4$ levels of $(He^4)^+$ 163
LEA, R. M. (see Barnes, V. E.) 41
LEDERMAN, L. (see Bardon, M.) 775
LEE, B. W. (see Gerstein, I. S.) 1060
LEE, C. H. (see Bloembergen, N.) 986
LEE-FRANZINI, JULIET (see Baltay, Charles) 1224
LEHMAN, G. W. (see Cape, J. A.) 892
LEONARDI, R. (see Karpman, G.) 633
LEONTIĆ, B. A. (see Cool, R. L.) 1228
LEVENTHAL, M. (see Lea, K. R.) 163
LEVINE, MICHAEL, JOHN TJON, and JON WRIGHT. Nonsingular Bethe-Salpeter equation 962
LEWICKI, G. and C. A. MEAD. Experimental determination of E-k relationship in electron tunneling 939
LEWIS, R. A. (see Elings, V. B.) 474
LI, K. K. (see Cool, R. L.) 1228
LICHTENSTEIN, C. A. (see Akerlof, C. W.) 147
LIGENSA, R., W. GREINER, and M. DANOS. Nuclear giant quadrupole resonance 364
LILLEY, J. S. (see Kavaloski, C. D.) 807
LIN, R. P. (see Anderson, K. A.) 1121
LIND, V. GORDON (see Anderson, Jared A.) 968(E)
LIPKIN, H. J. Quark models and high-energy scattering 1015
——— and F. SCHECK. Quark model for forward scattering amplitudes 71
LIPPMANN, B. A. Generalized Ehrenfest theorem 135
LIU, CHUNG-HENG (see Hadeishi, Tetsuo) 1035
LIU, D. C. and W. K. ROBERTS. Experimental search for charge conjugation nonconservation in $^1S_0$ state positronium decay 67
LIU, L. S. (see Albright, C. H.) 921
LLOYD, L. J. (see Crawford, Frank S., Jr.) 907; 1030(E)
LONGO, MICHAEL J., HOMER A. NEAL, and OLIVER E. OVERSETH. Polarization in p-p elastic scattering from 0.75 to 2.8 GeV 536
——— (see Kreisler, M. N.) 1217
LOUCKS, T. L. (see Williams, R. W.) 168
LOUDON, R. (see Allen, S. J., Jr.) 463
LOVELESS, RICHARD (see Baltay, Charles) 1224
LOVELL, L. (see Benson, G.) 1177
LUCKEY, P. D. (see Elings, V. B.) 474
LUNDBY, A. (see Cool, R. L.) 1228
LUTZ, G. (see Criegee, L.) 1031
LYON, J. F. (see Bell, P. R.) 1152

MACAGNO, E. (see Bardin, T. T.) 429
——— (see Bardin, T. T.) 718
MacDONALD, WILLIAM M. (see Ferrell, Richard A.) 187
MACKINTOSH, A. R. (see Williams, R. W.) 168
MACKLIN, R. L. and J. H. GIBBONS. Lack of structure in ^{235}U fission cross section in the neutron energy range from 150 to 335 keV 248
MAGILL, P. J. and R. P. SONI. Photoelectric counting distributions for a noise-modulated system 911
MAHLER, R. J., L. W. JAMES, and W. H. TANTTILA. Possible observation of In^{115} nuclear electric hexadecapole transitions 259
MAHR, HERBERT (see Fröhlich, Dietmar) 895
MAIANI, L. (see Altarelli, G.) 918
——— (see Gatto, R.) 377
MAJOR, R. G. (see Fortson, E. N.) 221
MAKER, P. D., R. W. TERHUNE, and C. M. SAVAGE. Intensity-dependent changes in the refractive index of liquids 832(E)
MAKI, KAZUMI and ALLAN GRIFFIN. Entropy transport between two superconductors by electron tunneling 258(E)
MANDEL, L. (see Morgan, B. L.) 1012
MARQUIT, E. (see Benson, G.) 1177
MARSHAK, H., A. C. B. RICHARDSON, and T. TAMURA. Total cross section for 14-MeV neutrons using aligned ^{165}Ho nuclei 194
MARSHAK, R. E. (see Mathur, V. S.) 947; 1135(E)
MARSHALEK, EUGENE R. and JOHN B. MILAZZO. $I^2(I+1)^2$ correction to nuclear rotational spectra 190
MARSHALL, R. (see Brody, H.) 828; 968(E)
MARSHALL, S. W. and R. M. WILENZICK. Effect of crystal size on Mössbauer recoil-free fraction in Au^{197} 219
MARTIENSSEN, W. and E. SPILLER. Intensity fluctuations in light beams with several degrees of freedom 531
MARTIN, F. (see Kreisler, M. N.) 1217

MATHUR, V. S., S. Okubo, and L. K. PANDIT. Algebra of currents and K_{e3} decay 371; 601(E)
——, L. K. PANDIT, and R. E. MARSHAK. K_{l3} form factors 947; 1135(E)
MATTHEW, J. A. D. (see Bowen, S. P.) 1105
MATTHIAS, E., D. A. SHIRLEY, M. P. KLEIN, and N. EDELSTEIN. Detection of nuclear magnetic resonance in a 235-nsec nuclear state by perturbed angular correlations 974
—— (see Diamond, R. M.) 1205
MATTIS, DANIEL C. and WERNER P. WOLF. Soluble extension of the Ising model 899
MAUNG, TIN, KENNETH M. CROWE, and NED T. DAIRIKI. Experimental study of π-π interaction in the reaction $\pi^- + p \rightarrow \pi^0 + \pi^0 + n$ at incident π^- energy of 378 MeV 374
MAXFIELD, B. W. and E. F. JOHNSON. Observation of low-frequency mixed-state resonances in pure niobium 652
McALISTER, A. J. (see Cuthill, J. R.) 993
McALLISTER, R. (see Stein, P.) 592
McCAUGHEY, MICHAEL P. (see Kessel, Quentin C.) 1189
McCLURE, DONALD S. (see Russell, Philip G.) 176
McCOLL, J. R. and C. D. JEFFRIES. Sizable proton polarization using a spin refrigerator 316
McCOMBE, B. (see Broshar, W.) 235
McCORMICK, W. D. (see Goodstein, D. L.) 8
McCURDY, GREGOR B. (see Wieder, Irwin) 565
McFADYEN, JOHN (see Baltay, Charles) 1224
McKEE, R. J. (see Anderson, H. L.) 434
McLEAN, T. P. (see Johnson, F. A.) 589
McMAHON, T. J. (see Anderson, E. W.) 855
McMILLAN, W. L. and P. W. ANDERSON. Theory of geometrical resonances in the tunneling characteristics of thick films of superconductors 85
—— (see Rowell, J. M.) 453
MEAD, C. A. (see Lewicki, G.) 939
MEDICUS, G. (see Breaux, O. F.) 392
MEISNER, GERALD W., BEVALYN B. CRAWFORD, and FRANK S. CRAWFORD, JR. Magnitude of the K_1^0-K_2^0 mass difference using strong interactions 278
MELNGAILIS, I. (see Dimmock, J. O.) 1193
MENCUCCINI, C. (see Bacci, C.) 157; 384(E)
MENES, J. (see Anderson, E. W.) 855
MERCER, G. N. (see Bennett, W. R., Jr.) 603
MERLO, J. P. (see Detoeuf, J. F.) 860
—— (see Kraybill, H. L.) 863
METSELAAR, R. and J. van der ELSKEN. Impurity-induced near-infrared spectra as a source of information about the frequency distributions of the alkali halides 349
MEYER, AXEL (see Dickey, J. M.) 727
MEYERHOF, W. E. Systematics of low-lying 0^+ states in light nuclei 1114
MIDDLEMAS, N. (see Carroll, A. S.) 288
MIKOLAJ, P. G. and C. J. PINGS. Direct determination of the intermolecular potential function for argon from x-ray scattering data 4
MILAZZO, JOHN B. (see Marshalek, Eugene R.) 190
MILLER, DONALD H. (see Chung, Suh Urk 481; 635(E)
MILLER, R. E. (see Cody, G. D.) 697
MILLS, R. L. (see Schuch, A. F.) 616
MINAMI, SHIGEO. Polarization of recoil protons in π-p elastic scattering at 1-3 GeV/c 549; 675(E)
MINNAERT, PIERRE. Positivity conditions for the density matrix of spin-one particles 672; 1030(E)
MIRMAN, RONALD. Is a theory of combined Poincaré and internal invariance impossible? 58
MISETICH, A. (see Dietz, R. E.) 841
MISTURA, L. and D. SETTE. Shape of the coexistence curve in the critical region 268
MITRA, A. N. and V. S. BHASIN. Existence of the trineutron 523
MITRA, S. S. and R. S. SINGH. Local-mode resonance—an optical analog of Mössbauer effect 694
MITTLEMAN, MARVIN H. Single and double ionization of He by electrons 498; 779(E)
MIURA, NOBORU (see Asai, Shojiro) 991
MOCHEL, J. M. and R. D. PARKS. Thermal conductivity of the superconducting surface sheath 1156
MØLLER, H. BJERRUM and J. C. GYLDEN HOUMANN. Inelastic scattering of neutrons by spin waves in terbium 737
MONTALDI, E. (see Bonifacio, R.) 1125
MOOK, H. A. (see Shull, C. G.) 184
MOORADIAN, A. and G. B. WRIGHT. Observation of the interaction of plasmons with longitudinal optical phonons in GaAs 999
MOORE, C. F. and G. E. TERRELL. Polarization study of an isobaric analog state in ^{91}Nb 804
MOORE, T. W. Cyclotron resonance linewidths and electron relaxation times in gallium 581
MOORE, W. S. (see Wyatt, A. F. G.) 1166
MOORHOUSE, R. G. Photoproduction of N^* resonance in the quark model 771; 968(E)
MORE, RICHARD M. Resonance in scattering of light by a Cherenkov electron 781
MORGAN, B. L. and L. MANDEL. Measurement of photon bunching in a thermal light beam 1012
MORRIS, T. (see Firestone, A.) 556
MORRISON, G. C. (see Siemssen, R. H.) 1050
MORRISON, P. and L. SARTORI. Fluorescent origin of the light from a supernova outburst 414
MORTON, B. J. (see Fricke, M. P.) 746
MOTOKAWA, MITSUHIRO (see Date, Muneyuki) 1111
MOYER, BURTON J. (see Richards, W. Bruce) 1221

MUCKER, K. F., S. TALHOUK, P. M. HARRIS, DAVID WHITE, and R. A. ERICKSON. Crystal structure of para-enriched solid deuterium below the λ transition 799
MURRAY, G. (see Freeman, J. M.) 959
MURRAY, J. S., S. J. YOUNG, and J. R. SHERIDAN. Cross section and polarization of Balmer-alpha radiation produced in charge-exchange collisions of protons with N_2 439
MUSHER, JEREMY I. Electron-coupled proton-deuteron coupling constant in HD 675(E)

NADELHAFT, I. (see Anderson, E. W.) 855
NAKAJIMA, S. (see Bennemann, K. H.) 243
NAMBU, YOICHIRO (see Hara, Y.) 380
——— (see Hara, Yasuo) 875
NANNEY, C. A. Thermal instability and non-Ohmic point contact conduction in semimetals 313
NARDELLI, G. F. (see Benedek, G.) 517
NARDUCCI, L. M. (see Bonifacio, R.) 1125
NEAL, HOMER A. (see Longo, Michael J.) 536
NEAL, T. (see Langer, J. S.) 984
NELKIN, MARK (see Desai, Rashmi C.) 839
NEUHÄUSER, J. (see Dworschak, F.) 685
NEVEU-RENÉ, MONIQUE (see Chung, Suh Urk) 481; 635(E)
NEWMAN, E., J. C. HIEBERT, and B. ZEIDMAN. ^{47}K mass from the reaction ^{48}Ca(d, ^{3}He)^{47}K 28
NEWTON, D. (see Carroll, A. S.) 288
NEWTON, J. O. (see Diamond, R. M.) 1205
NIEDERER, J. (see Brody, H.) 828; 968(E)
NIGAM, R. K. (see Bellemans, A.) 1038
NISSIM-SABAT, C. (see Bardin, T. T.) 429
——— (see Bardin, T. T.) 718
——— (see Ehrlich, R. D.) 425
NODWELL, R. A. (see Chan, P. W.) 122
NOGGLE, T. S. and O. S. OEN. Reduction in radiation damage due to channeling of 51-MeV iodine ions in gold 395
NÖLDEKE, G. K. (see van Oostrum, K. J.) 528
NOLT, I. G. and A. J. SIEVERS. Stress-induced frequency shift of a lattice resonant mode 1103
NOWEIR, T. M. (see Yavin, A. I.) 1049
NUSSBAUM, R. H. (see Dash, J. G.) 567

O'DWYER, J. J. (see Emtage, P. R.) 356
OEHME, REINHARD. Current algebras and the suppression of leptonic meson decays with $\Delta S = 1$ 215
OEN, O. S. (see Noggle, T. S.) 395
OERTEL, G. K. (see Jalufka, N. W.) 1073
O'FALLON, J. R. (see Kormanyos, S. W.) 709
OFELT, G. S. (see Jalufka, N. W.) 1073
O'GALLAGHER, J. J. and J. A. SIMPSON. Anisotropic propagation of solar protons deduced from simultaneous observations by earth satellites and the Mariner-IV space probe 1212
ÖGELMAN, H. B., J. P. DELVAILLE, and K. I. GREISEN. Search for discrete sources of cosmic gamma rays above 1 GeV 491
OKUBO, S. (see Mathur, V. S.) 371; 601(E)
OLSON, R. A. (see Bame, S. J.) 138
OLSSON, M. (see Barger, V.) 545
O'NEILL, G. K. (see Barber, W. C.) 1127
ORBACH, R. Nonlinear phonon generation 15
OREN, Y. (see Firestone, A.) 556
ORENSTEIN, S. (see Barnes, V. E.) 41
ORSZAG, STEVEN A. and MARTIN D. KRUSKAL. Theory of turbulence 441
OSBORNE, L. S. (see Elings, V. B.) 474
OSMUNDSON, J. S. (see White, J. A.) 639
OSTROFF, E. D. and J. S. WAUGH. Multiple spin echoes and spin locking in solids 1097
O'SULLIVAN, W. J. and J. E. SCHIRBER. Application of a modified Lifshitz and Kosevich expression to the determination of the g factor in metallic Zn 691; 884(E)
OTTER, F. A., JR., and P. R. SOLOMON. Thermal forces on vortices and entropy transport by vortex flow in type-II superconductors 681
OVERSETH, OLIVER E. (see Coleman, E.) 761
——— (see Longo, Michael J.) 536
OWEN, J. and D. R. TAYLOR. Zero-point spin deviation in antiferromagnets 1164

PADOVANI, F. A. and R. STRATTON. Experimental energy-momentum relationship determination using Schottky barriers 1202
PAIGE, E. G. S. and H. D. REES. Absorption edge of GaAs and its dependence on electric field 444
PALMA, M. U. (see Cordone, L.) 22
PAN, YU-LI (see Bell, Robert B.) 203
PANDIT, L. K. (see Mathur, V. S.) 371; 601(E)
——— (see Mathur, V. S.) 947; 1135(E)
PARK, J. G. Critical currents and surface superconductivity 1196
PARKS, PETER E. and R. J. DONNELLY. Radii of positive and negative ions in helium II 45
——— (see Mochel, J. M.) 1156
PARKS, R. D. (see Guertin, R. P.) 1095
PARKS, ROBERT E. (see Brown, Fielding) 507
PASCUAL, P. and RAMÓN PASCUAL. $\Delta S = 0$ baryonic current coupled to the muonic current 1057
PASCUAL, RAMÓN (see Pascual, P.) 1057
PASKIN, ARTHUR and A. RAHMAN. Effects of a long-range oscillatory potential on the radial distribution function and the constant of self-diffusion in liquid Na 300
PATEL, C. K. N. Optical harmonic generation in the infrared using a CO_2 laser 613

——, P. A. FLEURY, R. E. SLUSHER, and H. L. FRISCH. Multiphoton plasma production and stimulated recombination radiation in semiconductors 971
PAUL, P. (see Fisher, T. R.) 850
PAUL, WILLIAM (see Foyt, A. G.) 55
PEARL, JUDEA. Direct evidence of steady emf induced by flux motion in superconductors 99
PEEBLES, P. J. E. Primeval helium abundance and the primeval fireball 410
PEHL, R. H. (see Cerny, J.) 469
PELLAT, R. (see Coppi, B.) 1207
PELLETT, D. E. (see Coleman, E.) 761
PELLING, R. M. (see Peterson, Laurence E.) 142
PENSO, G. (see Bacci, C.) 157; 384(E)
PERL, M. L. (see Kreisler, M. N.) 1217
PETERSON, LAURENCE E., ALLAN S. JACOBSON, and R. M. PELLING. Spectrum of Crab nebula x rays to 120 keV 142
PETERSON, VINCENT Z. (see Richards, W. Bruce) 1221
PFEIFFER, E. (see Frederikse, H. P. R.) 579
PHELPS, D. H. and F. W. DALBY. Experimental determination of the electric dipole moment of the ground electronic state of CH 3
PHILLIPS, T. G. and R. L. WHITE. Magnetostriction constants of the rare-earth garnets from the pressure dependence of electron-paramagnetic-resonance spectra 650
PICASSO, E. E. (see Fabri, E.) 408
PIKE, E. R. (see Johnson, F. A.) 589
PINCUS, P. Effect of exchange scattering on nuclear spin relaxation in magnetic materials 398
PINGS, C. J. (see Mikolaj, P. G.) 4
POIRIER, JOHN A. (see Richards, W. Bruce) 1221
POLLAK, FRED H., MANUEL CARDONA, and KERRY L. SHAKLEE. Piezoelectroreflectance in GaAs 942; 1187(E)
—— (see Cardona, Manuel) 644
—— (see Shaklee, Kerry L.) 48
PORTO, S. P. S., B. TELL, and T. C. DAMEN. Near-forward Raman scattering in zinc oxide 450
POSTMA, H., J. L. DUNLAP, R. A. DORY, G. R. HASTE, and R. A. YOUNG. Observation of negative-mass instability in an energetic proton plasma 265
POTYKA, S. (see Dworschak, F.) 685
POWELL, S. T., III (see Kreisler, M. N.) 1217
POWERS, R. J. (see Ehrlich, R. D.) 425
—— (see Ehrlich, R. D.) 540
PREPARATA, G. (see Altarelli, G.) 918
—— (see Gatto, R.) 377
PRICE, LeROY R. (see Crawford, Frank S., Jr.) 333; 562(E)
PU, ROBERT T. (see Bell, Robert B.) 203
PUFF, R. D. (see Gillis, N. S.) 606

QUERZOLI, R. (see Di Giugno, G.) 767
QUINN, JOHN J. Magnetization-density-wave instability of a quantum plasma in the random-phase approximation 731

RADOJIČIĆ, D. (see Barnes, V. E.) 41
RAETHER, M. (see Böhmer, H.) 1145
RAHM, D. C. (see Berley, D.) 162(E)
RAHMAN, A. (see Paskin, Arthur) 300
RAICH, JOHN C. and HUBERT M. JAMES. Orientational order in solid ortho-H_2 173
RAINWATER, J. (see Bardin, T. T.) 429
—— (see Bardin, T. T.) 718
RAMSDEN, S. A. and W. E. R. DAVIES. Observation of cooperative effects in the scattering of a laser beam from a plasma 303
RATNER, L. G. (see Kormanyos, S. W.) 709
RÄUBER, ARMIN and JÜRGEN SCHNEIDER. Electron-spin resonance of a photosensitive $^2S_{1/2}$-state gallium center in ZnS 1075
RAVENHALL, D. G. (see van Oostrum, K. J.) 528
RAYFIELD, G. W. Roton emission from negative ions in helium II 934
REES, H. D. (see Paige, E. G. S.) 444
RENTZEPIS, P. M., J. A. GIORDMAINE, and K. W. WECHT. Coherent optical mixing in optically active liquids 792
REPPY, JOHN D. (see Clow, James R.) 887; 1030(E)
REVZEN, M. (see Grunzweig-Genossar, J.) 131
REYNOLDS, J. M., R. G. GOODRICH, and S. A. KHAN. Oscillatory field dependence of the Knight shift in a monocrystal of tin 609
RICHARD, PATRICK (see Kavaloski, C. D.) 807
RICHARDS, P. L. (see Allen, S. J., Jr.) 463
RICHARDS, W. BRUCE, CHARLES B. CHIU, RICHARD D. EANDI, A. CARL HELMHOLZ, ROBERT W. KENNEY, BURTON J. MOYER, JOHN A. POIRIER, ROBERT J. CENCE, VINCENT Z. PETERSON, NARENDER K. SEHGAL, and VICTOR J. STENGER. Total and differential cross sections for $\pi^- + p \to \eta + n$ from threshold to 1300 MeV 1221
RICHARDSON, A. C. B. (see Marshak, H.) 194
RICHTER, B. (see Barber, W. E.) 1127
ROACH, W. R. (see Anderson, A. C.) 263
ROBERTS, W. K. (see Liu, D. C.) 67
ROCHLIN, G. I. and D. H. DOUGLASS, JR. Subharmonic structure in Pb-Pb superconductive tunneling junctions 359
ROE, B. (see Benson, G.) 1177
ROFFMAN, ERIC H. Complex inhomogeneous Lorentz group and complex angular momentum 210
ROGERS, R. N. (see Birgeneau, R. J.) 584
RÖHR, H. (see Kronast, B.) 1082
ROLL, P. G. and DAVID T. WILKINSON. Cosmic background radiation at 3.2 cm—support for cosmic black-body radiation 405
ROLNICK, WILLIAM B. Comment on the

application of Cutkosky's rules 544
ROSEN, GERALD. Stationary states in quantum field theory 704
ROSENBLUM, BRUCE (see Gittleman, Jonathan I.) 734
ROSS, MARVIN and BERNI J. ALDER. Melting curve at high pressure 1077
ROSS, RONALD R. (see Friedman, Jerome H.) 485; 832(E)
ROTE, D. M. (see Kisslinger, L. S.) 659
ROTENBERG, MANUEL. Importance of relativistic effects in the scattering of slow electrons 969
ROTHE, K. W., P. F. M. KOEHLER, and E. H. THORNDIKE. Proton-proton bremsstrahlung at 204 MeV 1118
ROWELL, J. M. and W. L. McMILLAN. Electron interference in a normal metal induced by superconducting contacts 453
RUDD, M. E., T. JORGENSEN, JR., and D. J. VOLZ. Observation of Doppler-shifted peaks in the energy spectrum of autoionization electrons from Ar^+-Ar collisions 929
RUDDICK, K. (see Kormanyos, S. W.) 709
RUFF, GEORGE A. Optical detection of spin echoes in polarized sodium vapor 976
RUNGE, K. (see Bardin, T. T.) 429
——— (see Bardin, T. T.) 718
RUPP, L. W., JR. (see Walsh, W. M., Jr.) 181
RUPPIN, RAFAEL (see Englman, Robert) 898
RUSSELL, PHILIP G., DONALD S. McCLURE, and J. W. STOUT. Zeeman splitting of narrow lines in crystalline MnF_2, FeF_2, and CoF_2. Evidence for spin-wave excitations 176
RYBICKI, F. (see Drisko, R. M.) 275

SAKURAI, J. J. Speculations on the real part of the forward pp ($\bar{p}p$) scattering amplitude 1181
SALVINI, G. (see Bacci, C.) 157; 384(E)
SALZMAN, W. R. (see Baur, M. E.) 701
SANDWEISS, J. (see Firestone, A.) 556
SARTORI, L. (see Morrison, P.) 414
SARWINSKI, R. E. (see Anderson, A. C.) 263
SASLOW, W., T. K. BERGSTRESSER, and MARVIN L. COHEN. Band structure and optical properties of diamond 354
SATO, NORIYOSHI and YOSHISUKE HATTA. External excitation of standing waves in a rf discharge 306
SAVAGE, C. M. (see Maker, P. D.) 832(E)
SCALAPINO, D. J. Curie law for Anderson's model of a dilute alloy 937
SCARR, J. MICHAEL (see Crennell, David J.) 1025
SCHECHTER, J. (see Hara, Y.) 380
——— (see Chiu, Y. T.) 1022
SCHECK, F. (see Lipkin, H. J.) 71
SCHIAVON, P. (see Di Giugno, G.) 767
SCHIEBER, M. (see Frankel, R. B.) 258(E)
SCHIRBER, J. E. (see O'Sullivan, W. J.) 691; 884(E)
SCHLESSINGER, L. and C. SCHWARTZ. Analyticity as a useful computation tool 1173
SCHMIDT, P. H. (see Walsh, W. M., Jr.) 181
SCHMITT, H. W. and E. KONECNY. Neutron emission in ^{226}Ra proton-induced fission 1008
SCHNEIDER, IRWIN. M_A centers in additively colored KCl 743
SCHNEIDER, JÜRGEN (see Räuber, Armin) 1075
SCHOOLEY, J. F. (see Frederikse, H. P. R.) 579
SCHRÉDER, GERARD (see Gould, Robert J.) 252
SCHUCH, A. F. and R. L. MILLS. Crystal structure of deuterium at low temperatures 616
SCHULTZ, SHELDON and M. R. SHANABARGER. Observation of electron spin resonance in rubidium and cesium 178
SCHULZ, H. D. (see Criegee, L.) 1031
SCHUMANN, THOMAS G. (see Crennell, David J.) 1025
SCHUSTER, H. (see Dworschak, F.) 685
SCHWARTZ, C. (see Schlessinger, L.) 1173
SCHWARTZ, J. W. and C. T. WALKER. Phonon scattering by lattice vacancies 97
SCHWARZ, E. (see Bardon, M.) 775
SCULLY, M. and W. E. LAMB, JR. Quantum theory of an optical maser 853
SEGEL, R. E. (see Lawson, R. D.) 1006
SEHGAL, NARENDER K. (see Richards, W. Bruce) 1221
SEIDEL, G. (see Broshar, W.) 235
SELOVE, W. (see Brody, H.) 828; 968(E)
——— (see Jacobs, Laurance D.) 669
SENITZKY, I. R. Further discussion of a fundamental theorem in quantum optics 619
SERIN, B. (see Fiory, A. T.) 308
SETTE, D. (see Mistura, L.) 268
SHAKIN, CARL and YESHWANT R. WAGHMARE. Foundations for Hartree-Fock calculations with singular potentials 403
SHAKLEE, KERRY L., MANUEL CARDONA, and FRED H. POLLAK. Electroreflectance and spin-orbit splitting in III-V semiconductors 48
——— (see Cardona, Manuel) 644
——— (see Pollak, Fred H.) 942; 1187(E)
SHANABARGER, M. R. (see Schultz, Sheldon) 178
SHAND, J. B. (see Stewart, A. T.) 261
SHEARD, F. W. (see Wyatt, A. F. G.) 1166
SHELINE, R. K. (see Udagawa, T.) 325
SHEPHERD, I. W. (see Feher, G.) 500; 1187(E)
SHERIDAN, J. R. (see Murray, J. S.) 439
SHERMAN, W. F. (see Cundill, M. A.) 570
SHERWOOD, B. A. (see Ehrlich, R. D.) 425
——— (see Ehrlich, R. D.) 540
SHIELD, E. (see Baumgartner, E.) 105
SHIRLEY, D. A. (see Matthias, E.) 974
SHOCHET, M. (see Brody, H.) 828; 968(E)
SHORE, HERBERT B. (see Feher, G.) 500; 1187(E)
SHULL, C. G. and H. A. MOOK. Distri-

bution of internal magnetization in iron 184
——— and F. A. WEDGWOOD. Neutron-diffraction studies of electron-spin pairing in superconducting V_3Si 513
SIEMSSEN, R. H., G. C. MORRISON, B. ZEIDMAN, and H. FUCHS. Discrepancies in proton-transfer reactions to states with different isobaric spin 1050
SIEVERS, A. J. (see Nolt, I. G.) 1103
SILVERSTEIN, S. D. Resistance "maximum" in dilute magnetic alloys 466
SILVESTRINI, V. (see Bacci, C.) 157; 384(E)
——— (see Di Giugno, G.) 767
SIMMON, L. M., JR. (see Suura, H.) 598
SIMPSON, J. A. (see Fan, C. Y.) 813
——— (see O'Gallagher, J. J.) 1212
SINANOĞLU, OKTAY. Quantum numbers and masses of mesons as quark-antiquark systems 207
SINCLAIR, D. (see Benson, G.) 1177
SINGER, PAUL (see Brown, Laurie M.) 424(E)
SINGH, R. P., G. S. DARBARI, and G. S. VERMA. Acoustical behavior of critical mixtures 1150
SINGH, R. S. (see Mitra, S. S.) 694
SIRLIN, A. Cabibbo's angle and the ratio $\Gamma(k\to\mu+\nu)/\Gamma(\pi\to\mu+\nu)$ 872
SKIBOWSKI, M. (see Steinmann, W.) 989
SKILLICORN, IAN O. (see Crennell, David J.) 1025
SLICHTER, CHARLES P. (see Asik, Joseph R.) 740
SLOBODRIAN, R. J. (see Baumgartner, E.) 105
SLUSHER, R. E. (see Patel, C. K. N.) 971
SMITH, A. B. and J. F. WHALEN. Search for structure in the fast-neutron interaction with U^{235} 525
SMITH, ARCHIBALD W. and J. A. ARMSTRONG. Laser photon counting distributions near threshold 1169
SMITH, DAVID C. and ALAN F. HAUGHT. Energy-loss processes in optical-frequency gas breakdown 1085
SMITH, DAVID R. (see Houston, W. V.) 516
SMOLUCHOWSKI, R. (see Dienes, G. J.) 25
SOKOLOWSKI, G. (see Dworschak, F.) 685
SOLOMON, P. R. Voltage associated with the coupled motion of flux in type-I superconductors 50
——— (see Otter, F. A., Jr.) 681
SOMMERFIELD, CHARLES M. (see Brown, Lowell S.) 751
SONI, R. P. (see Magill, P. J.) 911
SPILLER, E. (see Martienssen, W.) 531
SPRUCH, LARRY. Relativistic versus nonrelativistic scattering of slow electrons 1137
STACK, JOHN D. Polarization as a test for Regge behavior in backward $\pi^{\pm}p$ scattering 286
STANLEY, H. E. and T. A. KAPLAN. High-temperature expansions—the classical Heisenberg model 981
STARK, R. W. (see Tsui, D. C.) 19
STEIN, NELSON (see Kavaloski, C. D.) 807
STEIN, P., M. BINKLEY, R. McALLISTER, A. SURI, and W. WOODWARD. Measurements of neutron form factors 592
STEINMANN, W. and M. SKIBOWSKI. Plasma resonance in the photoelectric yield of aluminum 989
STENGER, VICTOR J. (see Richards, W. Bruce) 1221
STEPHEN, M. J. Galvanomagnetic and related effects in type-II superconductors 801
STEPHENS, F. S. (see Diamond, R. M.) 1205
STERN, DONALD (see Anderson, Jared A.) 968(E)
STERN, R. A. and N. TZOAR. Resonant excitation of plasma oscillations by transverse electromagnetic waves 785
STERNHEIMER, D. (see Flato, M.) 1185
STEWART, A. T. and J. B. SHAND. Motion of positrons 261
STILES, P. J. (see Esaki, L.) 574
——— (see Esaki, L.) 1108
——— (see Fowler, A. B.) 901
STIRLING, A. V. (see Detoeuf, J. F.) 860
STONEHILL, D. L. (see Berley, D.) 162(E)
——— (see Kraybill, H. L.) 863
STOUT, J. W. (see Russell, Philip G.) 176
STRATTON, R. (see Padovani, F. A.) 1202
STRATTON, R. F. (see Bell, P. R.) 1152
STRAUSS, A. J. (see Dimmock, J. O.) 1193
STROCCHI, F. Goldstone's theory and approximate symmetries in strong interactions 822
——— (see Karpman, G.) 633
STRONG, I. B., J. R. ASBRIDGE, S. J. BAME, H. H. HECKMAN, and A. J. HUNDHAUSEN. Measurements of proton temperatures in the solar wind 631
——— (see Bame, S. J.) 138
STRONGIN, MYRON and O. F. KAMMERER. Effect of electron-spin paramagnetism on the critical field of thin Al films 456; 675(E)
STURROCK, P. A. Explosive and nonexplosive onsets of instability 270
——— and R. E. HARTLE. Two-fluid model of the solar wind 628
SUDARSHAN, E. C. G. (see Kuriyan, Jacob G.) 825
SURI, A. (see Stein, P.) 592
SUURA, H. and L. M. SIMMONS, JR. Role of equal-time axial-vector current commutators in sum rules 598
SUWA, S. (see Yokosawa, A.) 714
SUZUKI, MAHIKO. Branching ratios into $K_{\mu 2}$, K_{e3}, and K_{e4} in the partially conserved axial-vector current 212
——— (see Kawarabayashi, Ken) 255; 384(E)
SWANSON, L. W. and L. C. CROUSER. Anomalous total energy distribution for a tungsten field emitter 389

TAFT, H. D. (see Firestone, A.) 556

TALHOUK, S. (see Mucker, K. F.) 799
TAMURA, T. (see Marshak, H.) 194
TANACA, H., M. KOGANEI, and A. HIROSE. Dispersion relation of ion waves in mercury-vapor discharges 1079
TANAKA, M. and J. L. BEEBY. Is the Born approximation valid for calculating the electrical resistivity of liquid metals? 1088
TANAKA, SHOJI (see Asai, Shojiro) 991
——— (see Katayama, Yoshifumi) 129
TANAKA, Y. (see Huffman, R. E.) 1033
TANTTILA, W. H. (see Mahler, R. J.) 259
TAUTFEST, G. W. (see Kraybill, H. L.) 863
TAYLOR, D. R. (see Owen, J.) 1164
TEICH, M. C. and G. J. WOLGA. Multiple-photon processes and higher order correlation functions 625
TEIGER, J. (see Cool, R. L.) 1228
TELEGDI, V. L. (see Ehrlich, R. D.) 425
——— (see Ehrlich, R. D.) 540
TELL, B. (see Porto, S. P. S.) 450
TEMKIN, A. Electron-hydrogen ionization: The asymptotic form of the wave function and the threshold behavior of the cross section 835
TERHUNE, R. W. (see Maker, P. D.) 832(E)
TERRELL, G. E. (see Moore, C. F.) 804
THADDEUS, PATRICK and JOHN F. CLAUSER. Cosmic microwave radiation at 2.63 mm from observations of interstellar CN 819
THEVENET, B. (see Berley, D.) 162(E)
——— (see Detoeuf, J. F.) 860
THOMAS, R. L. and H. V. BOHM. Ultrasonic Kjeldaas-edge experiment in potassium 587
THOMPSON, M. A. (see Bishop, J.) 1069
THORNDIKE, E. H. (see Rothe, K. W.) 1118
THURBER, W. R. (see Frederikse, H. P. R.) 579
TIEMANN, J. J. (see Engeler, W. E.) 239
TIMM, U. (see Criegee, L.) 1031
TJIA, M. O. (see Albright, C. H.) 921
TJON, JOHN (see Levine, Michael) 962
TOMASCH, W. J. Geometrical resonance and boundary effects in tunneling from superconducting In 16
——— and T. WOLFRAM. Energy spacing of geometrical resonance structure in very thick films of superconducting In 352
TOMPKINS, DONALD R. Equivalent representations in symmetrized tensors 1058
TORGESON, D. R. (see Barnes, R. G.) 233
TOWNES, C. H. (see Garmire, E.) 347
TRAMMELL, G. T. (see Kitano, Y.) 572
TREFIL, J. S. (see Drell, S. D.) 552; 832(E)
TREIMAN, S. B. (see Callan, C. G.) 153
TRIFTSHÄUSER, WERNER and PAUL P. CRAIG. Time independence of charge states produced following electron capture in Co^{57} 1161
TROISE, G. (see Di Giugno, G.) 767
TROZZOLO, A. M. (see Wickman, H. H.) 162(E)
TRUONG, T. N. (see Fried, H. M.) 559; 884(E)
TSUI, D. C. and R. W. STARK. de Haas–van Alphen effect, magnetic breakdown, and the Fermi surface of cadmium 19
TUNG, WU-KI. Relativistic wave equations and Lagrangian field theory for arbitrary spin 763
TURKOT, F. (see Anderson, E. W.) 855
TZOAR, N. (see Stern, R. A.) 785

ÜBERALL, H. (see Kelly, Francis J.) 145
UDAGAWA, T. and R. K. SHELINE. Centrifugal-stretching and Coriolis-force antipairing effects in W^{182} 325

VALLADAS, G. (see Kraybill, H. L.) 863
VAN ALLEN, J. A. (see Krimigis, S. M.) 419
VAN BERG, R. (see Brody, H.) 828; 968(E)
van der ELSKEN, J. (see Metselaar, R.) 349
VANDER VELDE, J. C. Is G parity a conserved quantum number? 69
——— (see Benson, G.) 1177
VANOLI, F. (see Di Giugno, G.) 767
van OOSTRUM, K. J., R. HOFSTADTER, G. K. NÖLDEKE, M. R. YEARIAN, B. C. CLARK, R. HERMAN, and D. G. RAVENHALL. Isotope effect in Ca^{40}, Ca^{44}, and Ca^{48} charge distribution from 250-MeV elastic electron scattering 528
van ROSSUM, L. (see Detoeuf, J. F.) 860
VAN RUYVEN, L. J. and F. E. WILLIAMS. Valence-band bending to the Fermi level and radiative recombination in ZnS with liquid electrodes 889
VARMA, S. (see Dar, A.) 1003
VERMA, G. S. (see Singh, R. P.) 1150
VERTOGEN, F. and W. J. CASPERS. Contact part of the hyperfine interaction and the Ruderman-Kittel-Kasuya-Yosida approximation 904
VIGNOS, J. H. (see Abraham, B. M.) 1039
VILCHES, O. E. (see Johnson, R. T.) 101
VOLZ, D. J. (see Rudd, M. E.) 929
von GOELER, E. (see dePagter, J. K.) 35

WADA, W. W. $K\bar{K}$ decays of the φ meson under current-commutation relations, partially-conserved-axial-vector-current hypothesis, and SU(6) symmetry 956
WAGHMARE, YESHWANT R. (see Shakin, Carl) 403
WAGNER, R. J. and R. P. HADDOCK. Sizable proton polarizations in frozen toluene 1116
WAGONER, ROBERT V. Possible mechanism for producing strong radio sources 249
WALKER, C. T. (see Schwartz, J. W.) 97
WALKER, W. D. (see Bishop, J.) 1069

——— (see Erwin, A. R.) 1063
WALSH, W. M., JR., L. W. RUPP, JR., and P. H. SCHMIDT. g values of rubidium and cesium conduction electrons 181
WALTHER, K. Quantum resonances in the amplification of ultrasound in bismuth 642
WANG, CHARLES C. Length-dependent threshold for stimulated Raman effect and self-focusing of laser beams in liquid 344
WANG, LING-LIE. Prediction of a minimum in the high-energy $\pi+N\rightarrow\omega+N$ differential cross section 756
WARREN, J. B. (see Blackmore, E. W.) 520
WASSERMANN, E. F. (see Andreen, C. J.) 782
WATSON, R. E. (see Freeman, A. J.) 94
WAUGH, J. S. (see Ostroff, E. D.) 1097
WEBSTER, MEDFORD S. (see Firestone, A.) 556
——— (see Barnes, V. E.) 41
——— (see Crennell, David J.) 1025
WECHT, K. W. (see Rentzepis, P. M.) 792
WEDGWOOD, F. A. (see Shull, C. G.) 513
WEINBERG, A. (see Bishop, J.) 1069
——— (see Erwin, A. R.) 1063
WEINBERG, STEVEN. Current-commutator theory of multiple pion production 879
WEINSTEIN, ROY (see dePagter, J. K.) 35
WERNICK, J. H. (see Gossard, A. C.) 995
——— (see Kaplan, N.) 1142
WHALEN, J. F. (see Smith, A. B.) 525
WHEATLEY, J. C. (see Abel, W. R.) 273
——— (see Anderson, A. C.) 263
——— (see Johnson, R. T.) 101
WHITE, DAVID (see Mucker, K. F.) 799
WHITE, J. A., J. S. OSMUNDSON, and B. H. AHN. Onset of long-range order in a critical solution of macromolecules 639
WHITE, R. L. (see Phillips, T. G.) 650
WICKMAN, H. H. and A. M. TROZZOLO. Mössbauer-effect study of relaxation effects in iron-dithiocarbamates 162(E)
WIECHERS, G. (see Frahn, W. E.) 810
WIEDER, IRWIN and GREGOR B. McCURDY. Isotope shifts and the role of Fermi resonance in the CO_2 infrared maser 565
WIEDER, SOL and SIDNEY BOROWITZ. Collective oscillations of atoms in the Hartree-Fock approximation 724
WIEGAND, D. A. (see Crowe, G. J.) 1154
WILENZICK, R. M. (see Marshall, S. W.) 219
WILETS, LAWRENCE (see Guth, Eugene) 30
WILKINSON, DAVID T. (see Roll, P. G.) 405
WILLIAMS, F. E. (see Van Ruyven, L. J.) 889
WILLIAMS, M. L. (see Cuthill, J. R.) 993
WILLIAMS, R. W., T. L. LOUCKS, and A. R. MACKINTOSH. Positron annihilation and the electronic structure of rare-earth metals 168
WILLIAMS, W. S. C. (see Carroll, A. S.) 288
WILLIS, W. J. (see Berley, D.) 162(E)
WILSON, W. (see Dienes, G. J.) 25
WINCKLER, J. R. (see Hofmann, D. J.) 109
WOLF, WERNER P. (see Mattis, Daniel C.) 899
WOLFF, P. A. Thomson and Raman scattering by mobile electrons in crystals 225
WOLFRAM, T. (see Tomasch, W. J.) 352
WOLGA, G. J. (see Teich, M. C.) 625
WOLLENBERGER, H. (see Dworschak, F.) 685
WOODWARD, W. (see Stein, P.) 592
WRIGHT, G. B. (see Mooradian, A.) 999
WRIGHT, JON (see Levine, Michael) 962
WU, C. S. (see Bardin, T. T.) 429
——— (see Bardin, T. T.) 718
WURM, J. (see Dworschak, F.) 685
WYATT, A. F. G., V. M. DMITRIEV, W. S. MOORE, and F. W. SHEARD. Microwave-enhanced critical supercurrents in constricted tin films 1166

YAMAMOTO, S. S. (see Berley, D.) 162(E)
YAMDAGNI, N. K. (see Ekspong, A. G.) 664
YARGER, HAROLD (see Baltay, Charles) 1224
YAVIN, A. I., R. A. HOFFSWELL, L. H. JONES, and T. M. NOWEIR. Investigation of isobaric analogue states by (p,n) reactions followed by proton emission 1049
YEARIAN, M. R. (see van Oostrum, K. J.) 528
YOKOSAWA, A. Polarization at forward angles and an investigation of structure in πN, KN, and NN elastic scattering 1019
———, S. SUWA, ROGER E. HILL, ROBERT J. ESTERLING, and NORMAN E. BOOTH. Spin and parity of the $N(2190)$ 714
YOUNG, R. A. (see Postma, H.) 265
YOUNG, S. J. (see Murray, J. S.) 439
YOUNG, W. H. (see Dickey, J. M.) 727

ZANELLO, DINO (see Baltay, Charles) 1224
ZAWADZKI, WLODZIMIERZ and BENJAMIN LAX. Two-band model for Bloch electrons in crossed electric and magnetic fields 1001
ZEIDMAN, B. (see Newman, E.) 28
——— (see Siemssen, R. H.) 1050
ZERNIKE, FRITS, JR., and PAUL R. BERMAN. Generation of far infrared as a difference frequency 117(E)
ZIMMERMANN, W. (see Criegee, L.) 1031
ZSEMBERY, J. (see Detoeuf, J. F.) 860
ZUCKER, A. (see Fricke, M. P.) 746
ZWICKER, H. (see Kronast, B.) 1082